



CURTAIN WALL CATALOG

SMART
ARCHITECTURAL
SYSTEMS

EGYPT MARKET CATALOG

Al Qatimiya - Egypt



Danet - UAE



KFU - Saudi Arabia





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Introduction

Smart Architectural Systems (FZC) was established in the year 2002 at Sharjah Airport International Freezone. Within a short span of time, market demand for the architectural systems in the region has grown substantially. Smart Architectural Systems (FZC) took up the challenge to upgrade the Systems, contractors and fabricators.

Smart Architectural Systems (FZC) has completed prestigious projects in Saudi Arabia, Kuwait, United Arab Emirates, Jordan, Oman, Egypt, Bahrain & Qatar. Ministry of Education has approved Smart Architectural System (FZC) for Saudi Arabian Schools. The World Bank in Bangladesh in which Conventional Curtain Wall and Thermal Break Systems are used.

Smart Architectural Systems (FZC) products are designed as per Italian design specification to withstand climatic condition of the Middle East. The systems are carefully engineered to prevent water penetration, air infiltration and high humidity which is common in Middle East. Thermal calculations and wind load calculations are also done in order to comply with project requirements.

ABOUT SMART SYSTEM

Why Choose Smart Architectural Systems?

- Designed as per Italian design specification to withstand climatic condition of the Middle East
- The products are designed for continuous development and fast upgrades to meet the requirements of the global markets
- It is designed to suit in perfection of arches and Islamic architecture
- Provide free consultancy to the end user with solutions to the architect, contractor and fabricator from the design stage to the installation with time to time inspection
- Smart Architectural Systems (FZC) is an ISO 9001:2015 quality management systems certified company
- Engineered to prevent water penetration, air infiltration and high humidity
- Provides complete technical support which includes thermal calculation, wind load calculations and material selection
- Customization of design as per architectural requirements
- All Smart Architectural products are warranted for 5 years

Ajman Bank
UAE



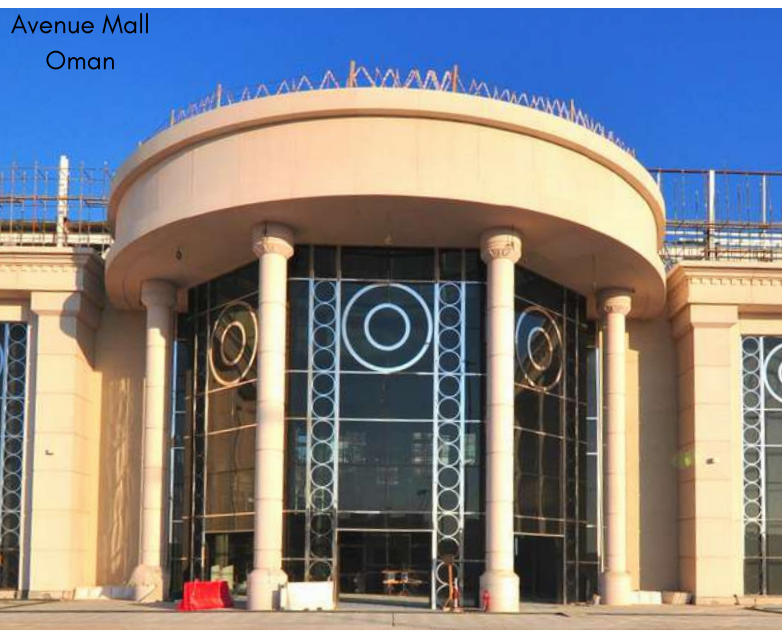
Falcon Project
Saudi Arabia



Al Osais Main Office Building
Saudi Arabia



Avenue Mall
Oman



Port Saeed - UAE



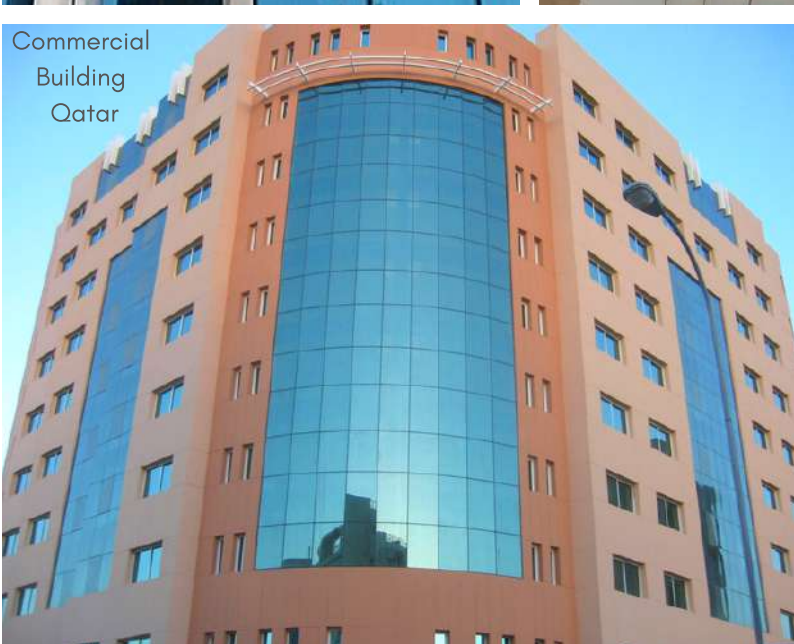




Novotel Hotel
Saudi Arabia



Degla Group
Egypt



Commercial
Building
Qatar



Chrysler Building
Jordan



United Motors Showroom
Saudi Arabia



8 Mall - Kuwait



Al Andalus Complex
Jordan



International Monetary Fund
Bangladesh



Yusuf Al Ahmadi Building
Saudi Arabia



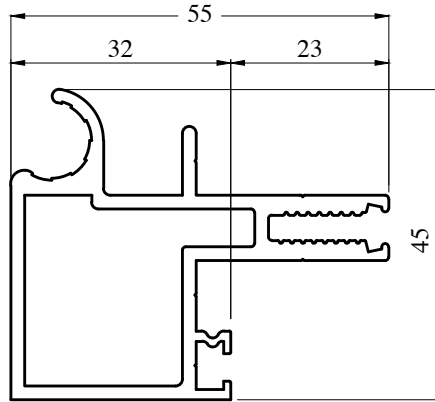
Curtain Wall Profiles



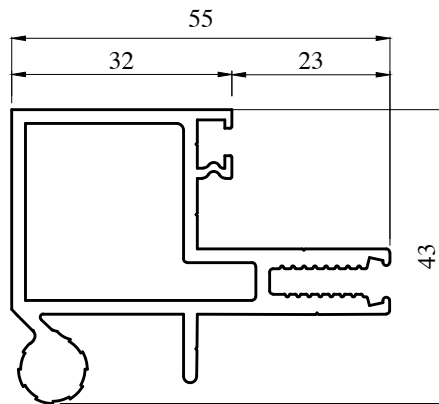
Curtain Wall Series

Transom / Mullion Profiles

CW-50, TCW-50, SG-02, SG-01, TSG-50, SSG-50, TSSG-50 Series



P 20919
WT - 1183 g/m

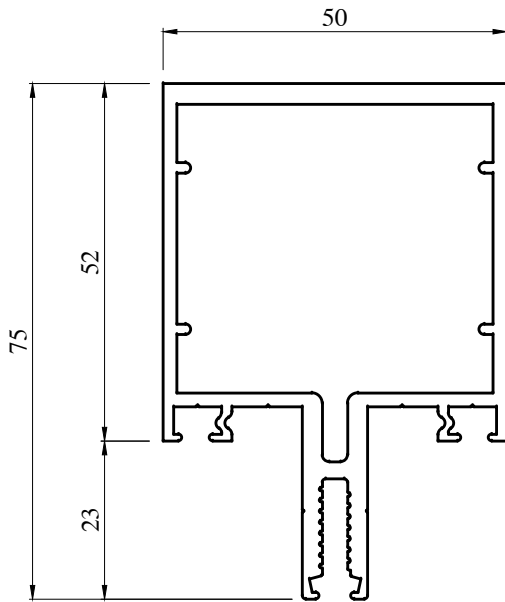


P 20918
WT - 1269 g/m

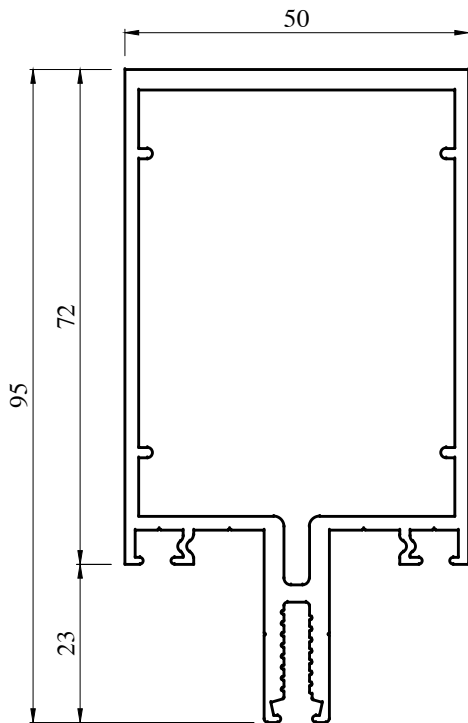
Curtain Wall Series

Transom / Mullion Profiles

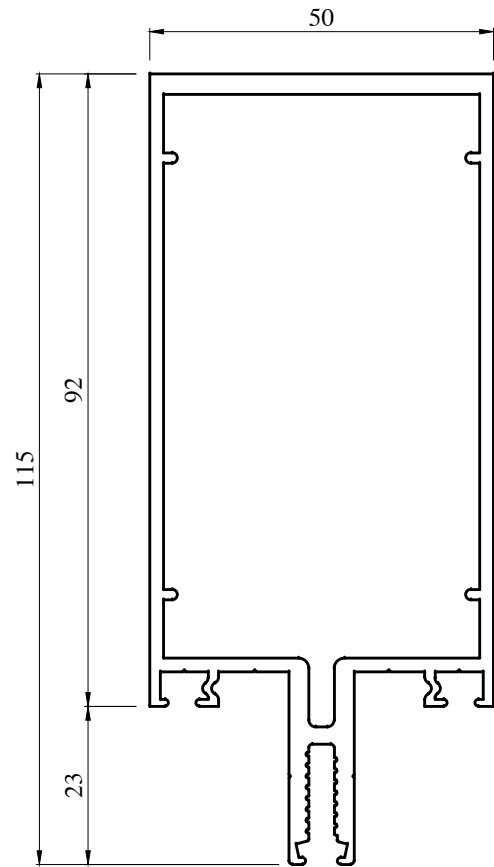
CW-50, TCW-50, SG-02, SG-01, TSG-50, SSG-50, TSSG-50 Series



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P 20923
WT - 1878 g/m

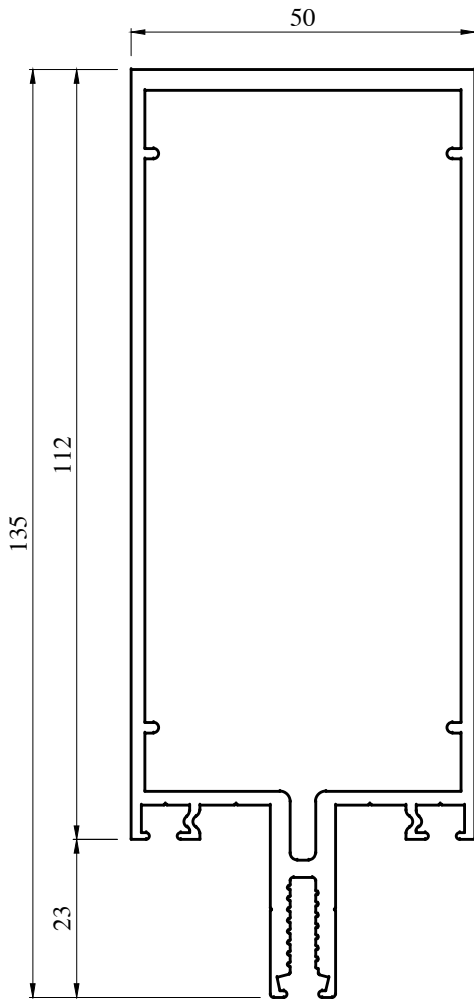


P 20924
WT - 2094 g/m

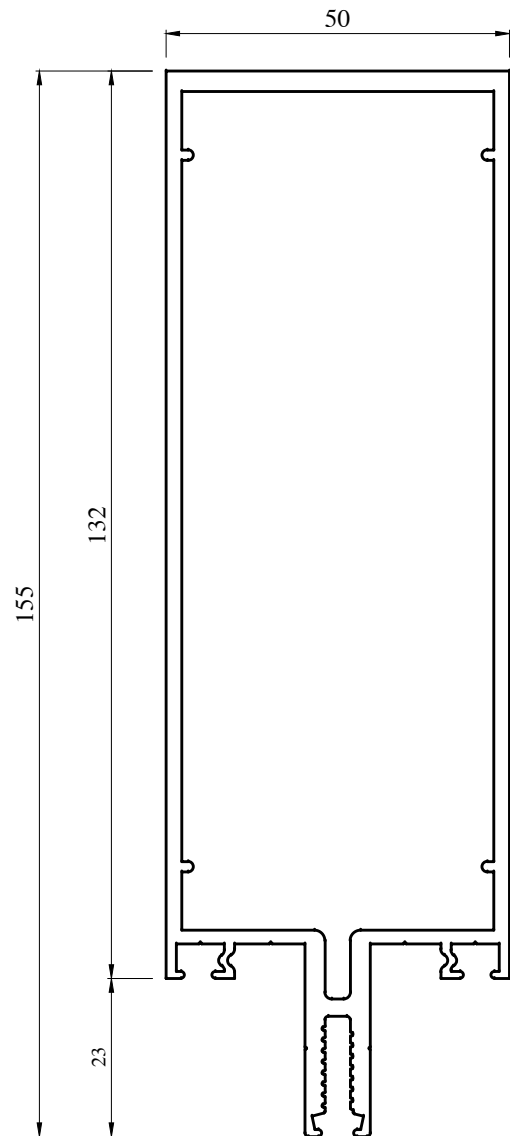
Curtain Wall Series

Transom / Mullion Profiles

CW-50, TCW-50, SG-02, SG-01, TSG-50, SSG-50, TSSG-50 Series



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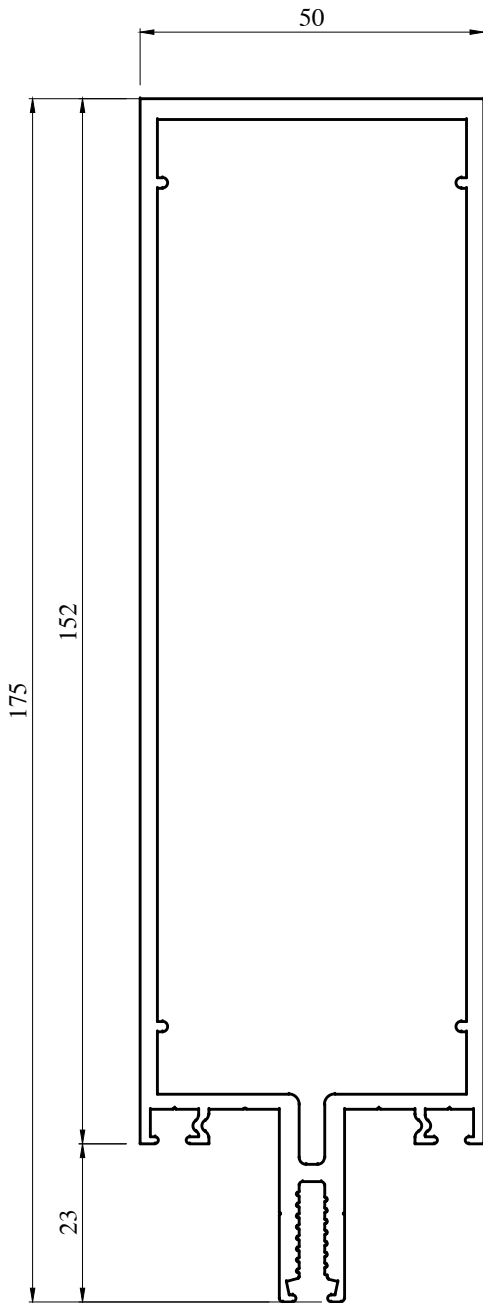


P 20942
WT - 2719 g/m

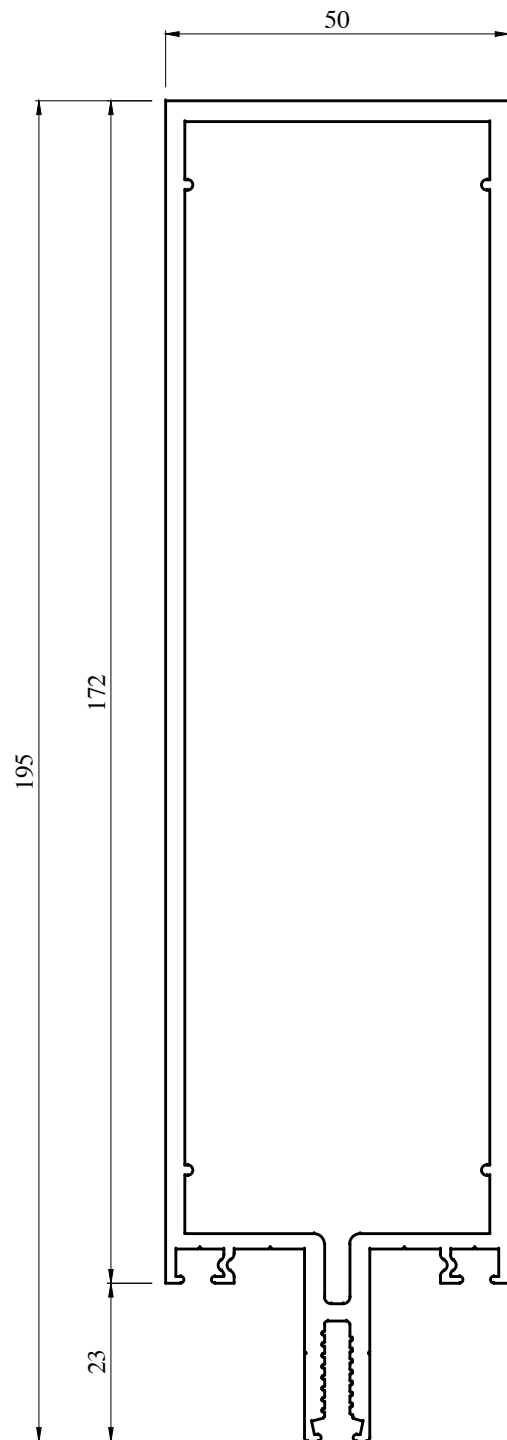
Curtain Wall Series

Transom / Mullion Profiles

CW-50, TCW-50, SG-02, SG-01, TSG-50, SSG-50, TSSG-50 Series



P 25901
WT - 3156 g/m

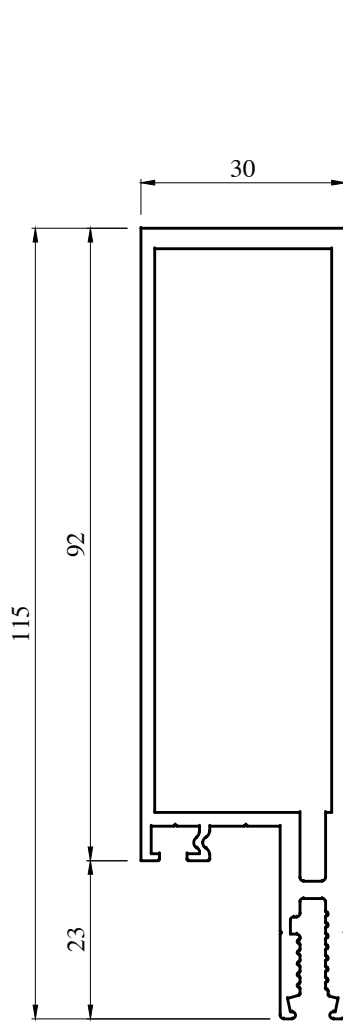


P 28901
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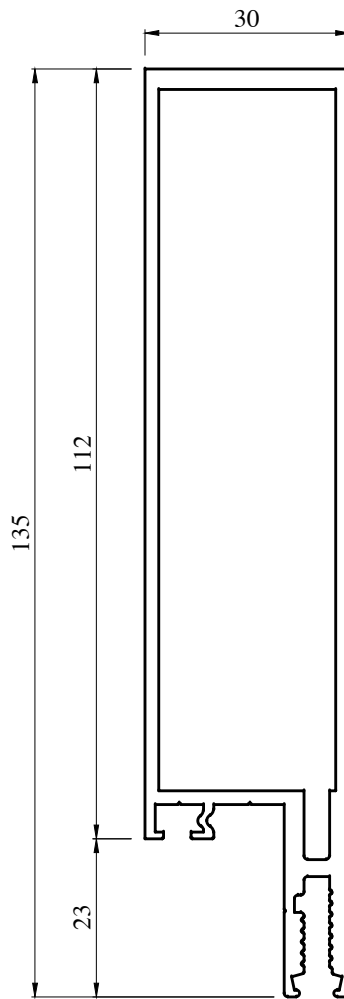
Curtain Wall Series

Half Transom / Mullion Profiles

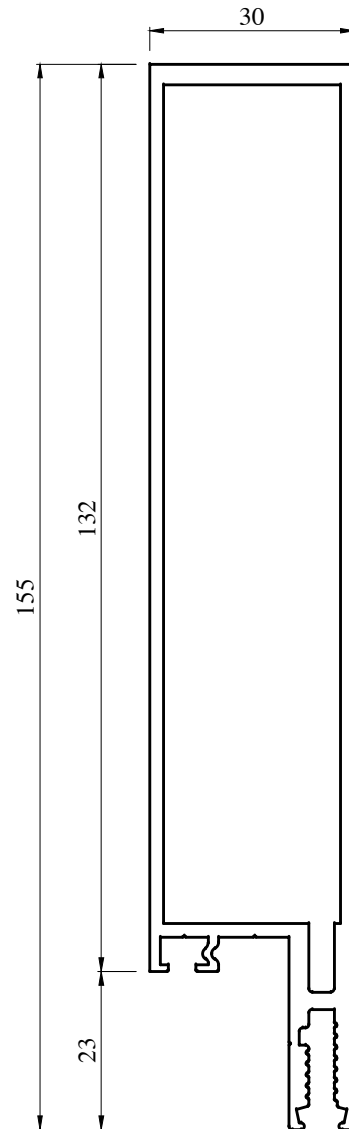
CW-50, TCW-50, SG-02, SG-01, TSG-50, SSG-50, TSSG-50 Series



P 20927
WT - 1738 g/m



P 20928
WT - 1954 g/m

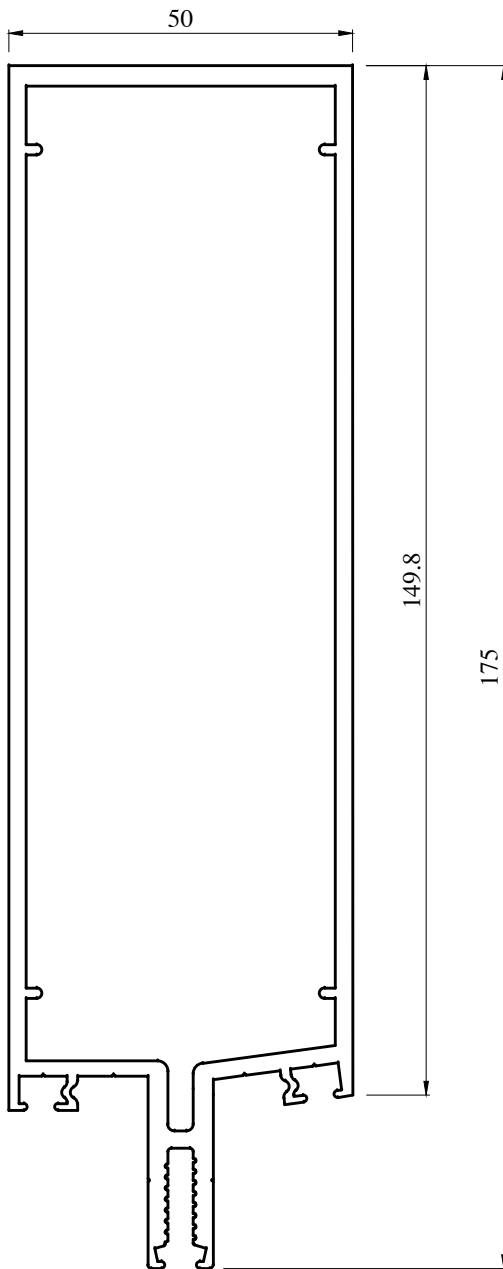


P 20943
WT - 2170 g/m

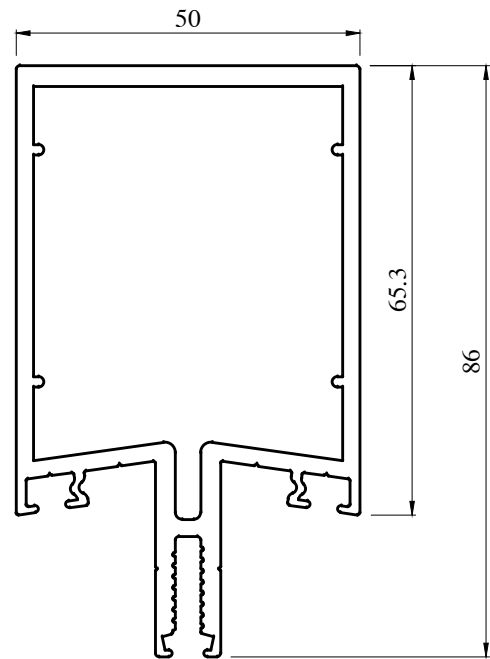
Curtain Wall Series

Segment Transom / Mullion Profiles

CW-50, TCW-50, SG-02, SG-01, TSG-50, SSG-50, TSSG-50 Series



P 25902
WT - 3172 g/m

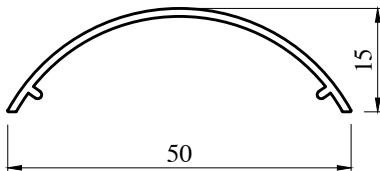


P 40900
WT - 2022 g/m

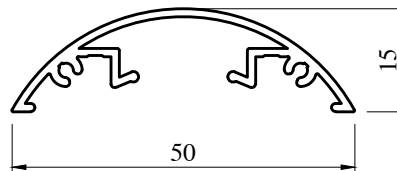
Curtain Wall Series

Curtain Wall Cap Profiles

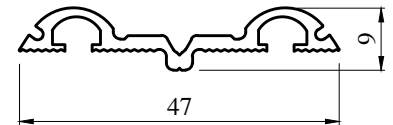
CW-50, TCW-50, SSG-50, TSSG-50 Series



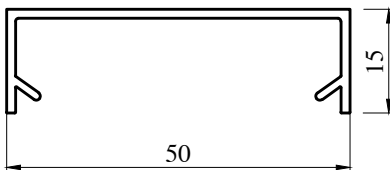
P 12901
WT - 203 g/m



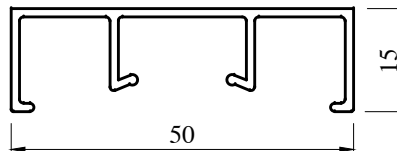
P 12903
WT - 338 g/m



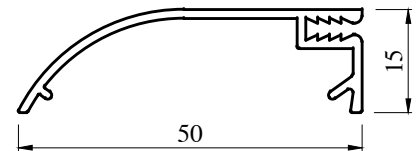
P 20909
WT - 305 g/m



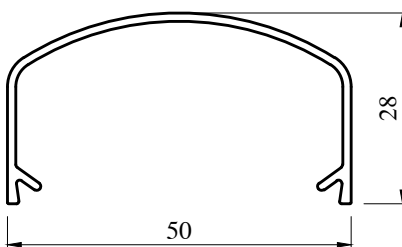
P 12904
WT - 286 g/m



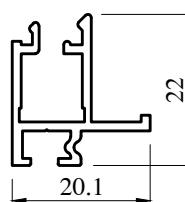
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WT - 367 g/m



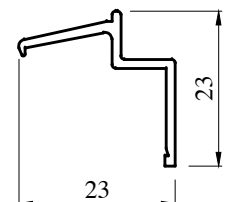
P 12906
WT - 286 g/m



P 12902
WT - 327 g/m



P 13904
WT - 244 g/m

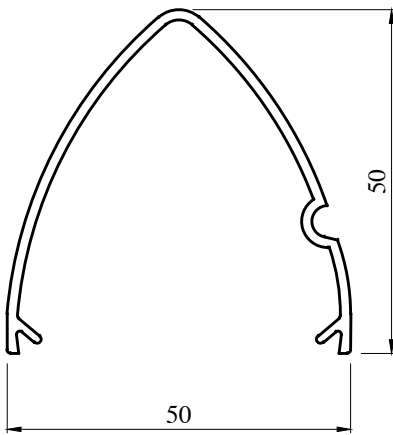
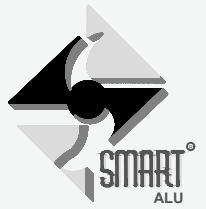


P 13900
WT - 162 g/m

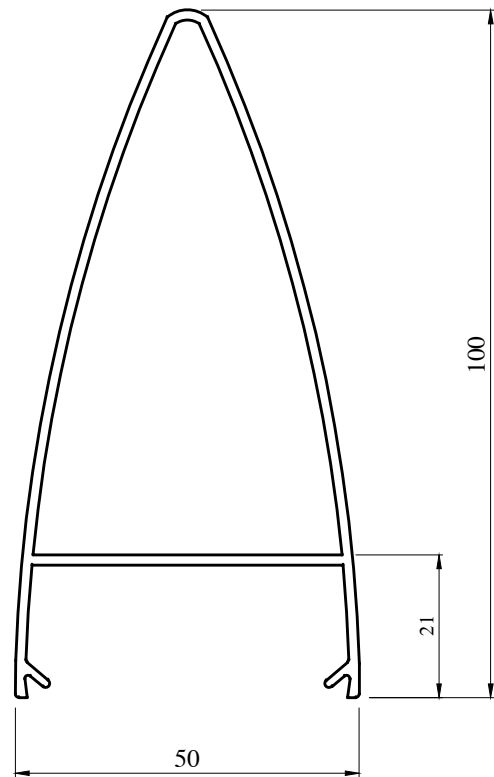
Curtain Wall Series

Curtain Wall Cap Profiles

CW-50, TCW-50, SSG-50, TSSG-50 Series



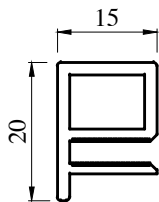
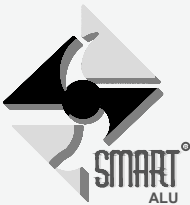
P 15903
WT - 505 g/m



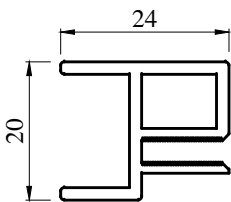
P 15904
WT - 1054 g/m

Curtain Wall Series

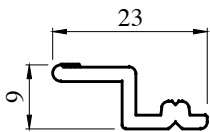
Structural Glazing Profiles
SG-02 Series



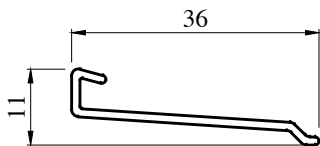
P 18901
WT - 298 g/m
Black Anodized



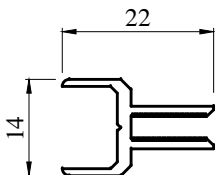
P 18900
WT - 395 g/m
Black Anodized



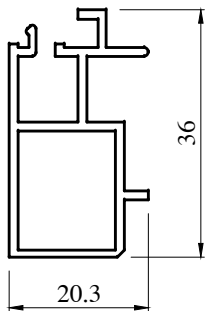
P 20906
WT - 178 g/m



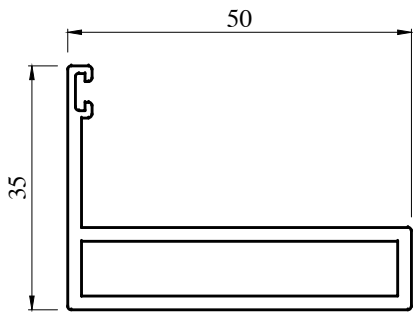
P 12900
WT - 149 g/m
Silver Anodized



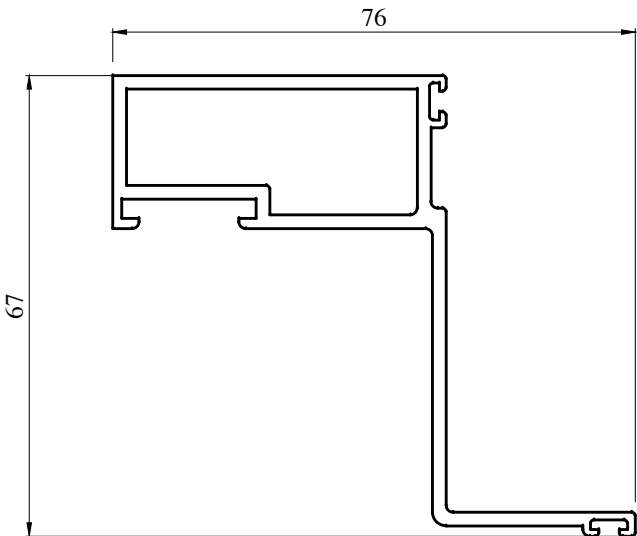
P 15900
WT - 199 g/m
Black Anodized



P 13906
WT - 406 g/m



P 20904
WT - 755 g/m

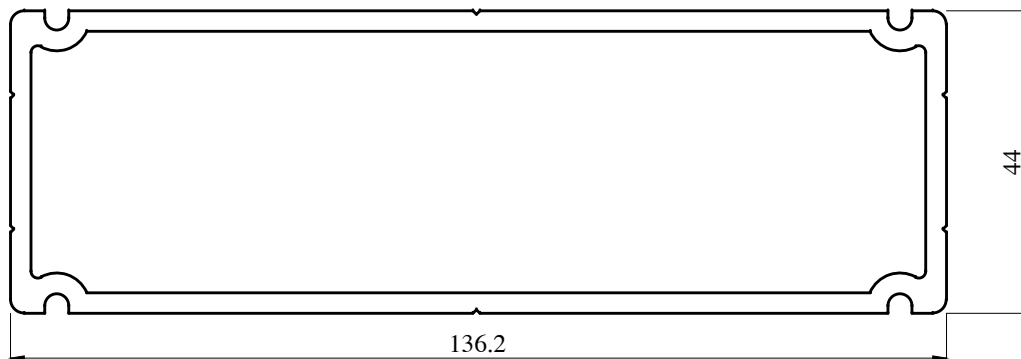
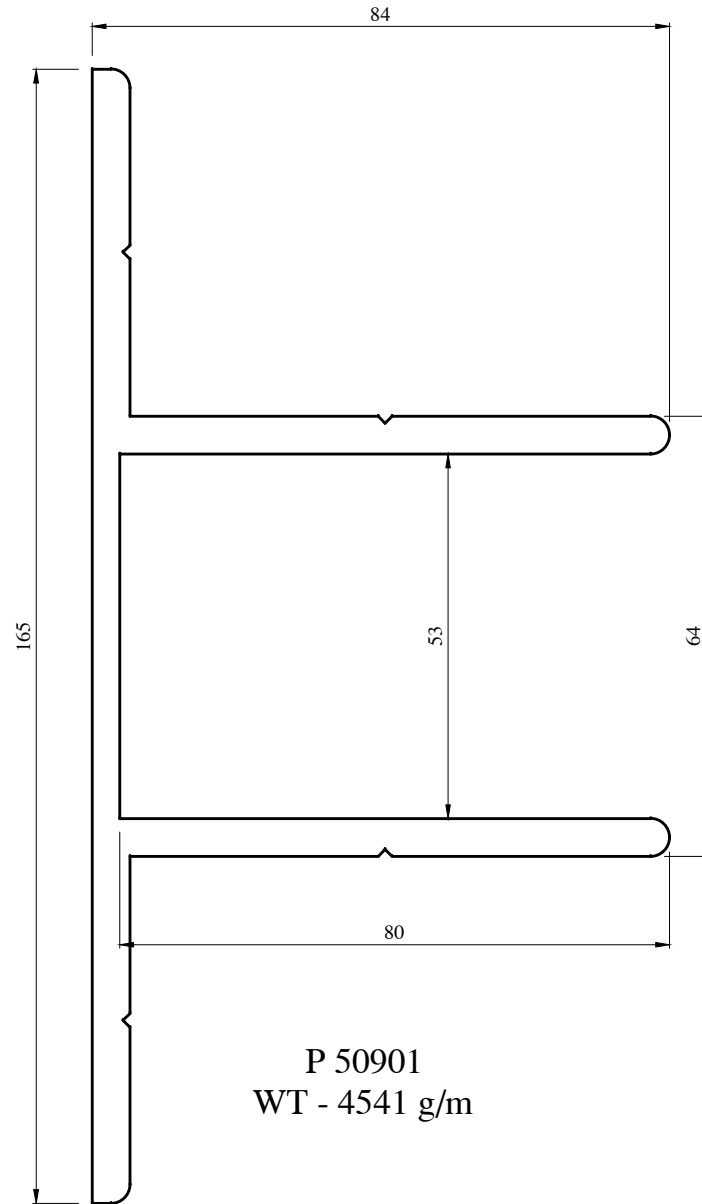


P 20944
WT - 1150 g/m

Curtain Wall Series

Transom / Mullion Profiles

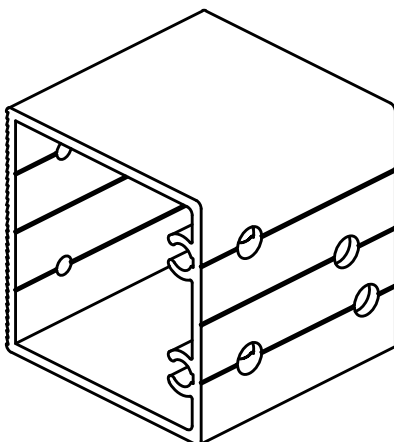
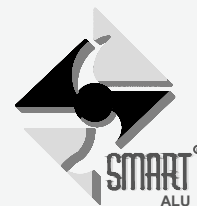
CW-50, TCW-50, SG-02, SG-01, TSG-50, SSG-50, TSSG-50 Series



Curtain Wall Series

Accessories

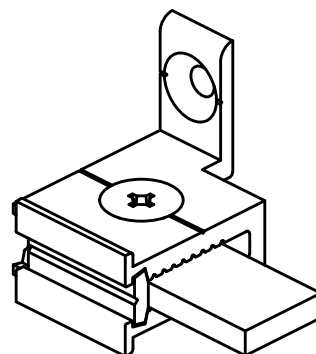
CW-50, TCW-50, SG-02, SG-01, TSG-50, SSG-50, TSSG-50 Series



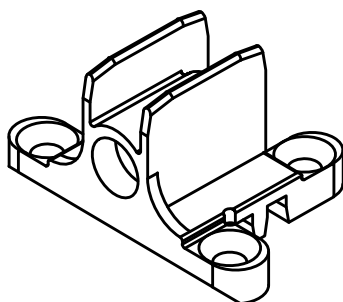
A 18902

WT - 821 g/m

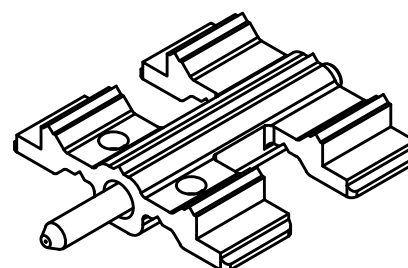
NOTE: To be cut as per the transom length



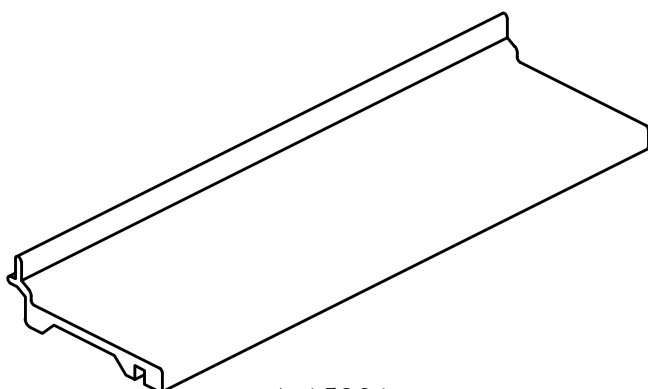
AEC - 001



ATC - 002

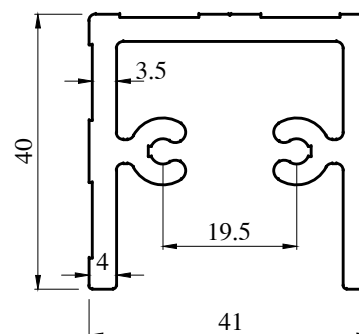


AEC - 002



A 15901

WT - 224 g/m



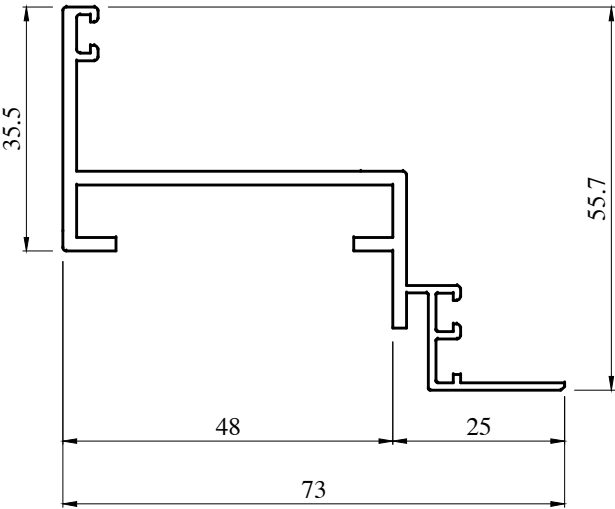
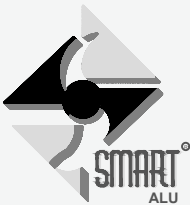
P 35900

WT - 1441 g/m

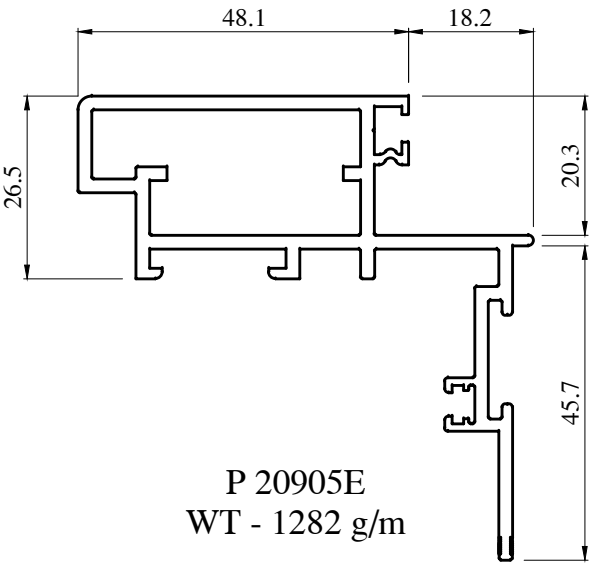
Curtain Wall Series

Structural Glazing Profiles

SG-04 Series



P 20904E
WT - 790 g/m

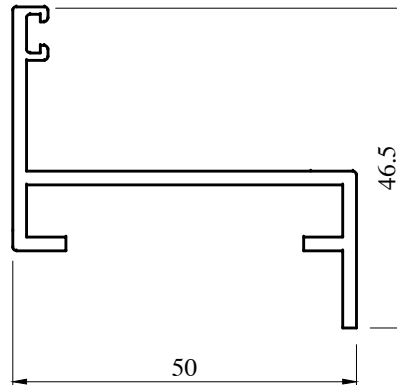
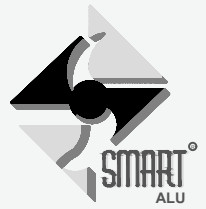


P 20905E
WT - 1282 g/m

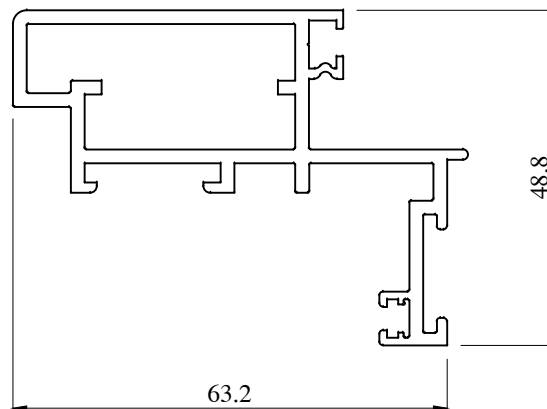
Curtain Wall Series

Structural Glazing Profiles

SSG-04 Series



P 20904 SSE
WT - 649 g/m

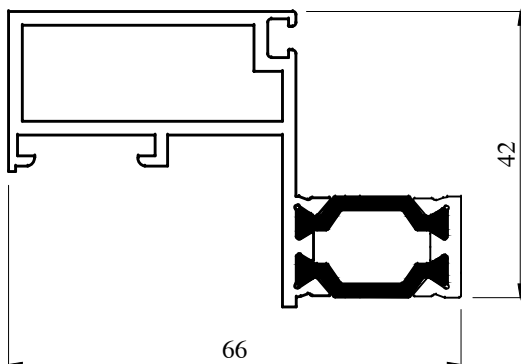
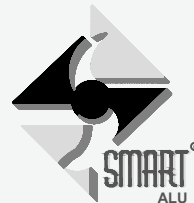


P 20905 SSE
WT - 1183 g/m

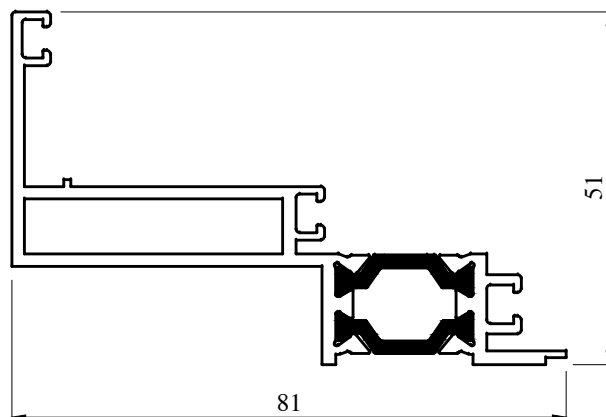
Curtain Wall Series

Thermal Structural Glazing Profiles

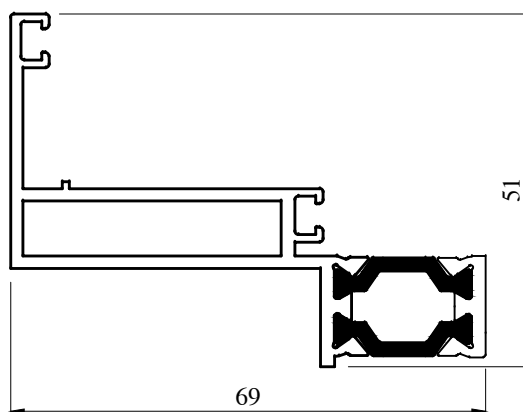
TSG-50 Series



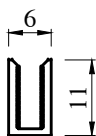
PTSG 20000
WT - 1056 g/m



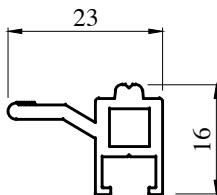
PTSG 20001
WT - 1105 g/m



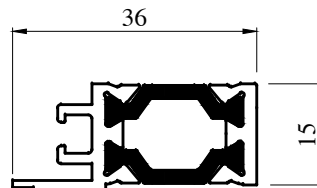
PTSG 20003
WT - 987 g/m



P 15903
WT - 88 g/m



P 20941
WT - 270 g/m

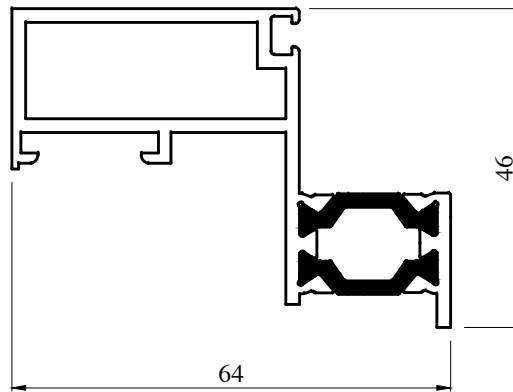


PTSG 20002
WT - 402 g/m

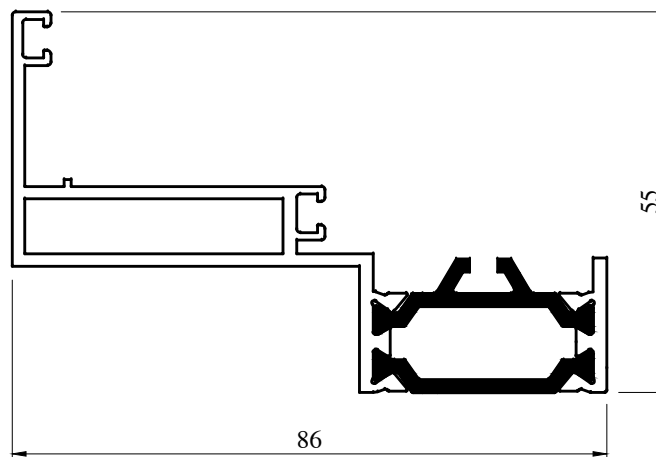
Curtain Wall Series

Thermal Curtain Wall Profiles

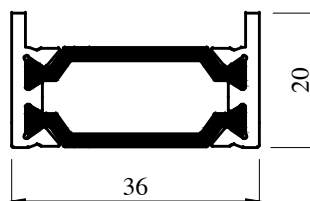
TCW-50 Series



PTCW 20000
WT - 1056 g/m



PTCW 20001
WT - 1060 g/m

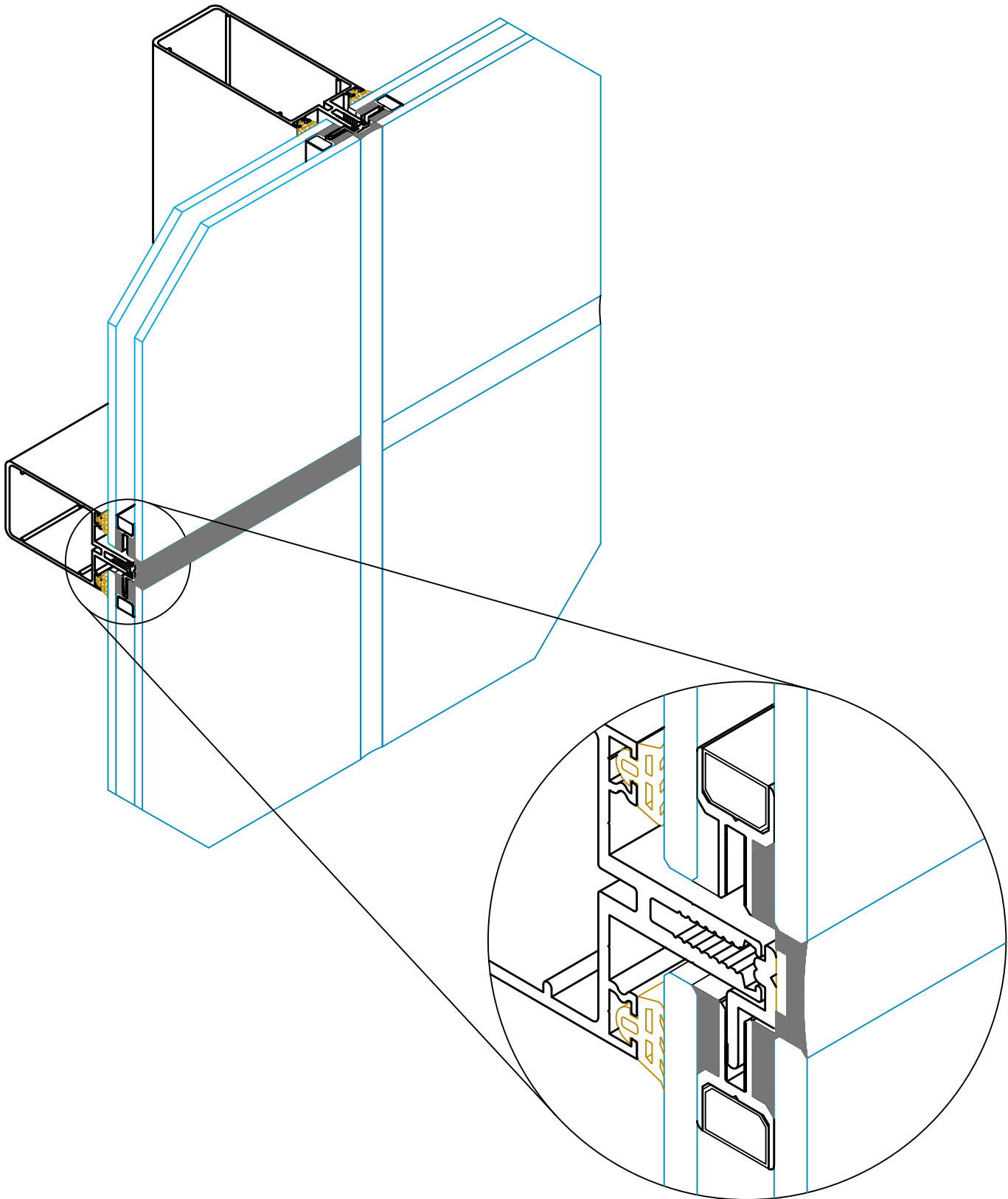


PTCW 20002
WT - 347 g/m

Curtain Wall Series

SG - 202 3D View

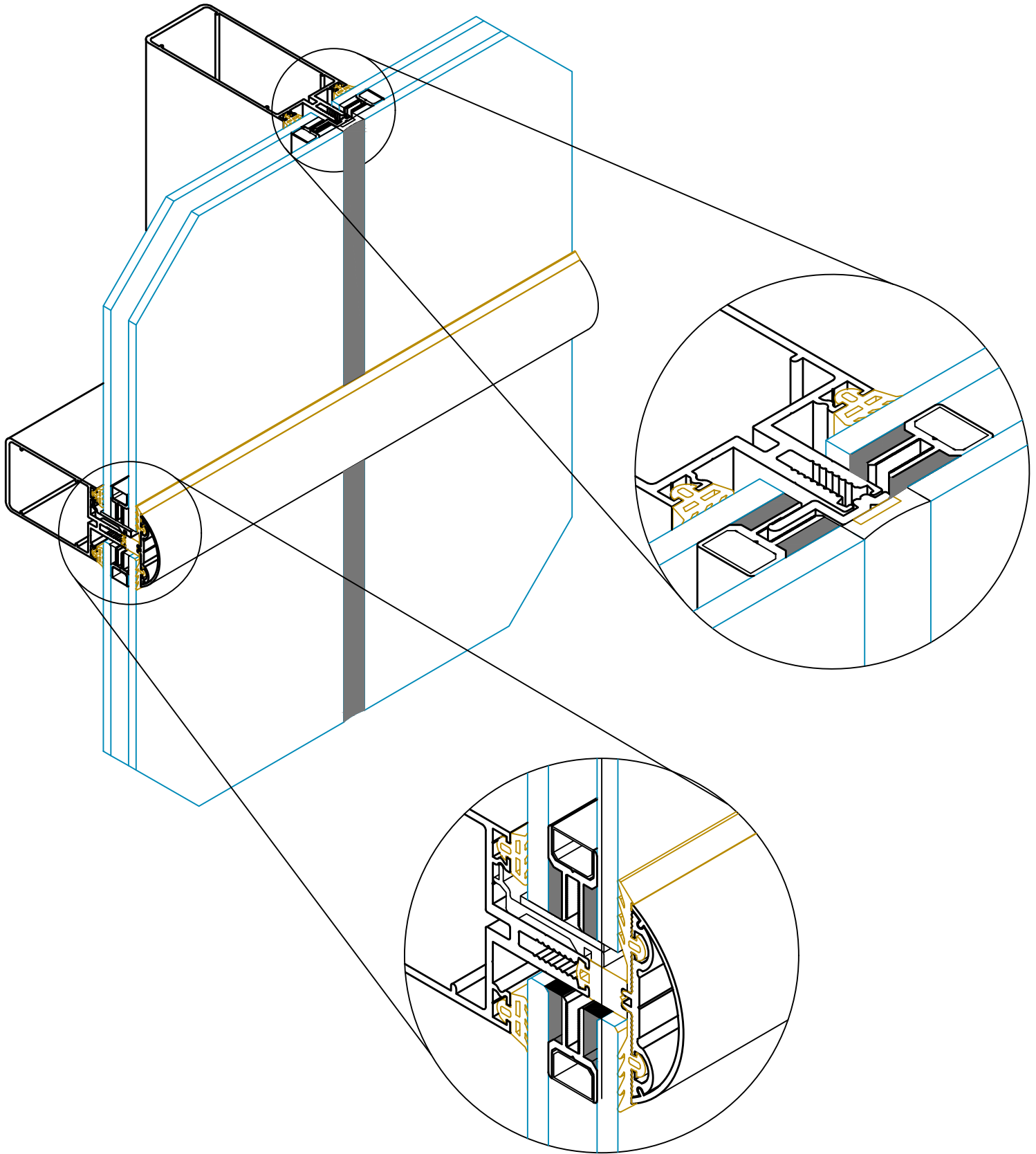
SG-02 Series



Curtain Wall Series

Semi SG - 202 3D View

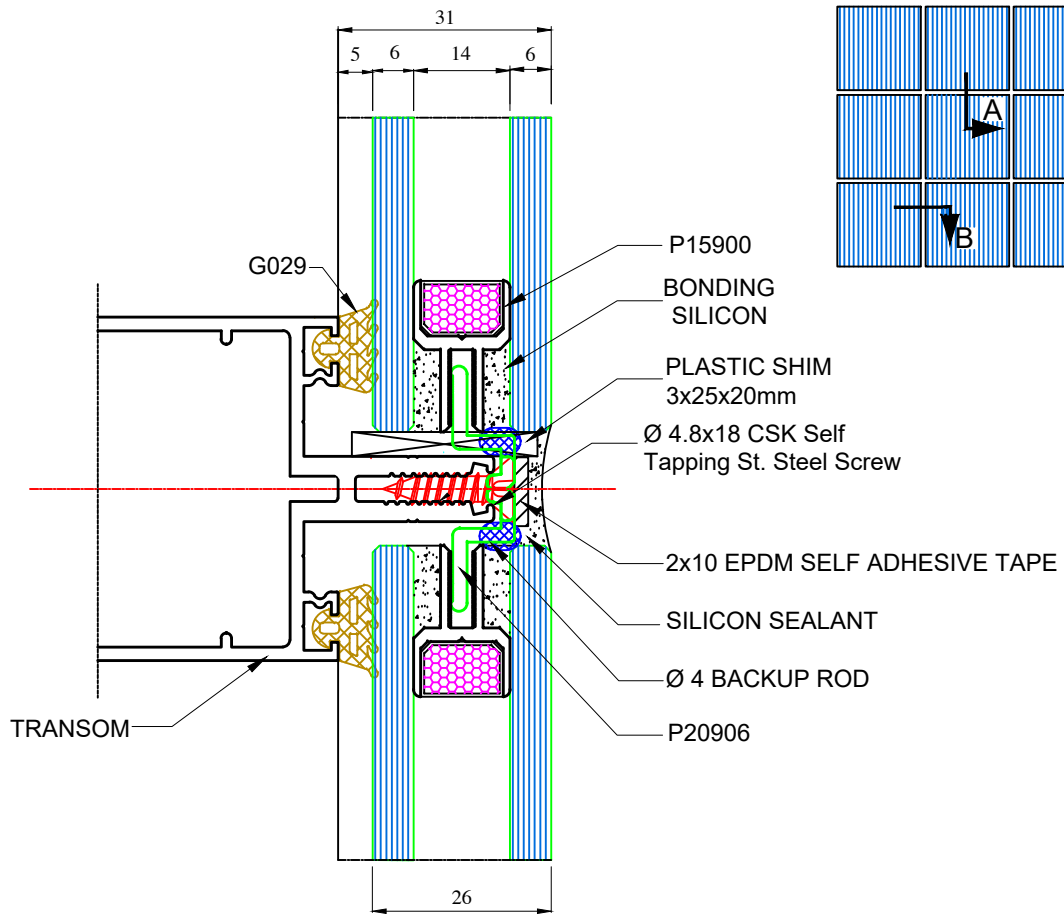
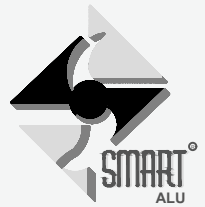
SSG-02 Series



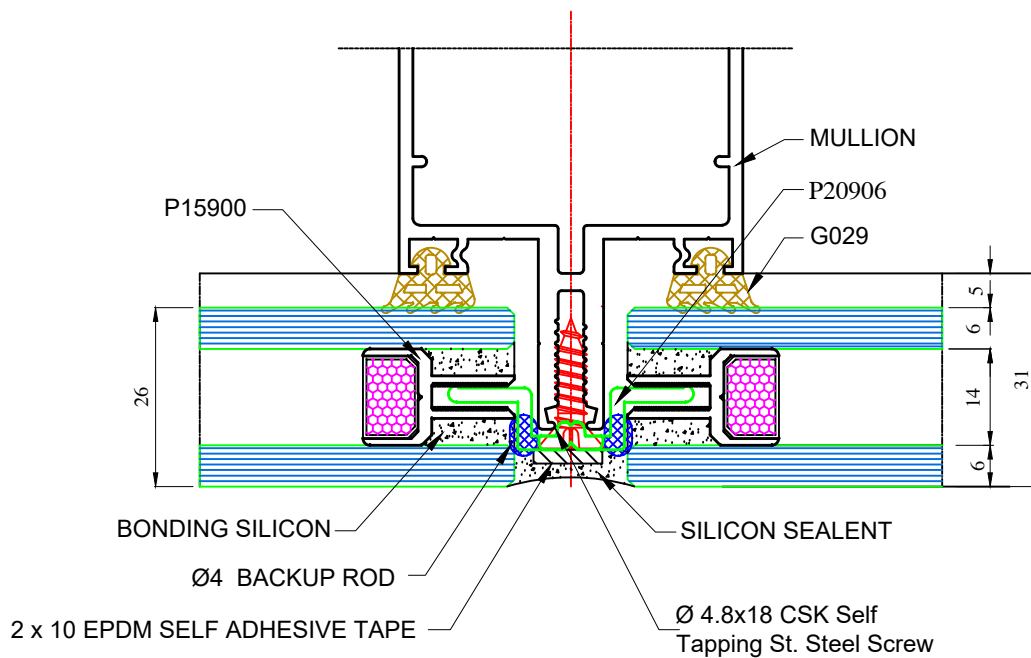
Curtain Wall Series

SG Transom and Mullion with Fixed Panel

SG-02 Series



DETAIL : A

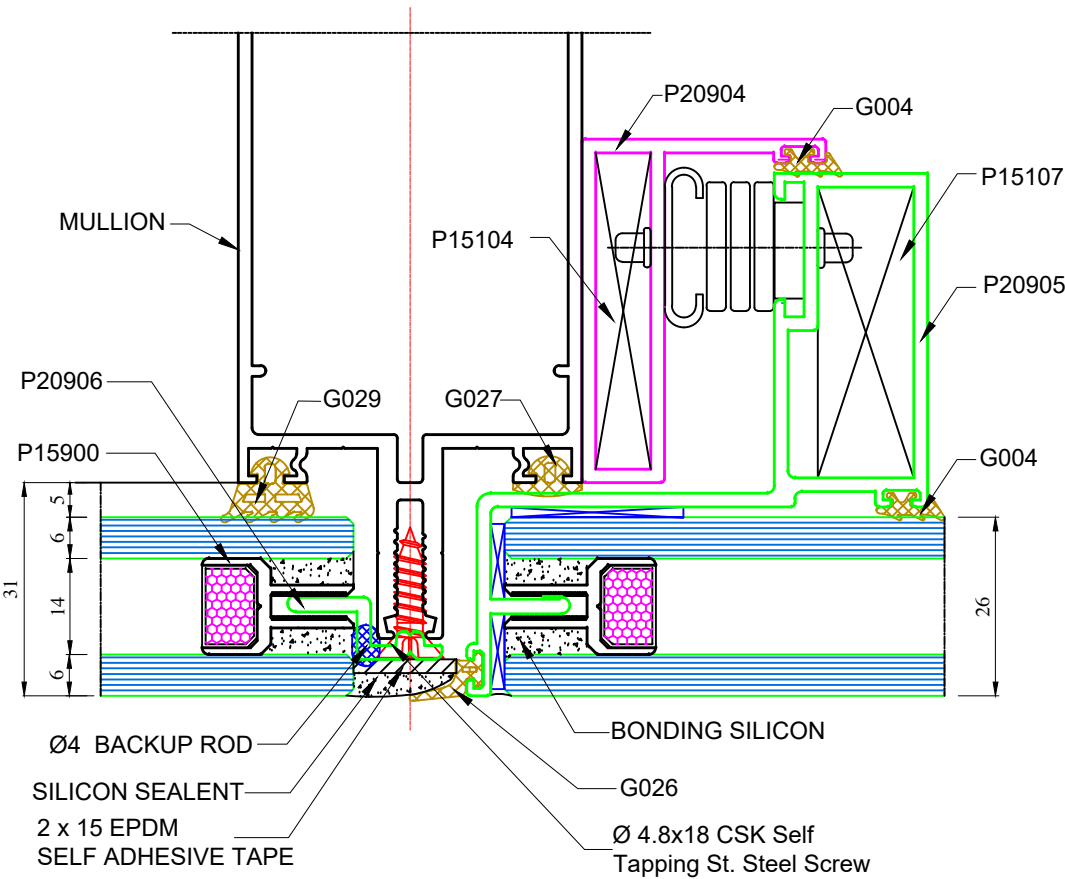
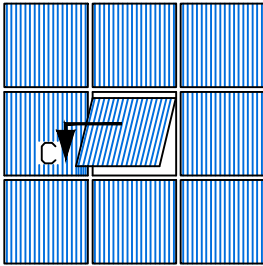
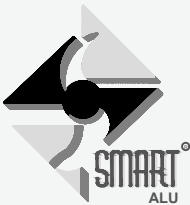


DETAIL : B

Curtain Wall Series

SG Mullion with Openout Panel

SG-02 Series

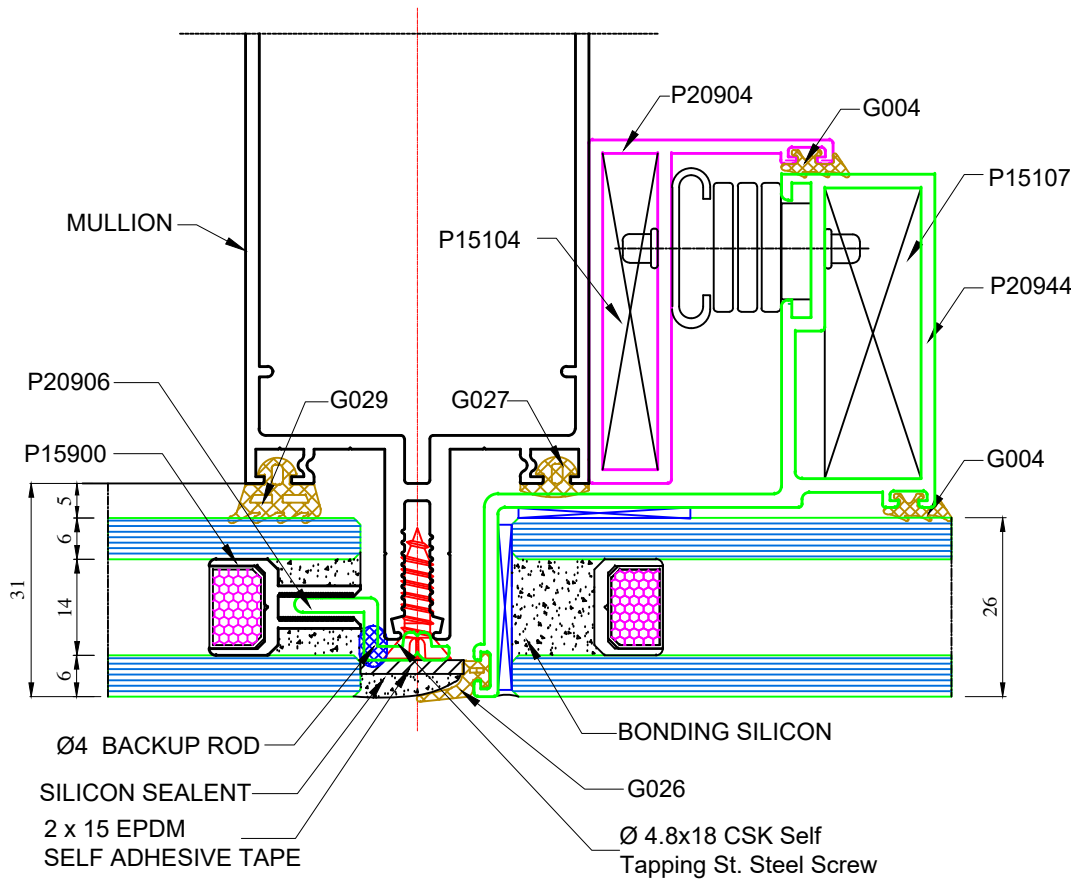
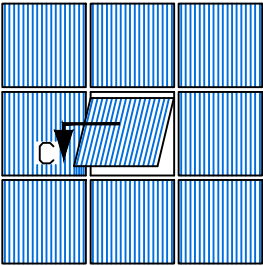
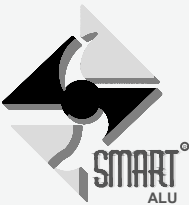


DETAIL : C

Curtain Wall Series

SG Mullion with Openout Panel

SG-02 Series

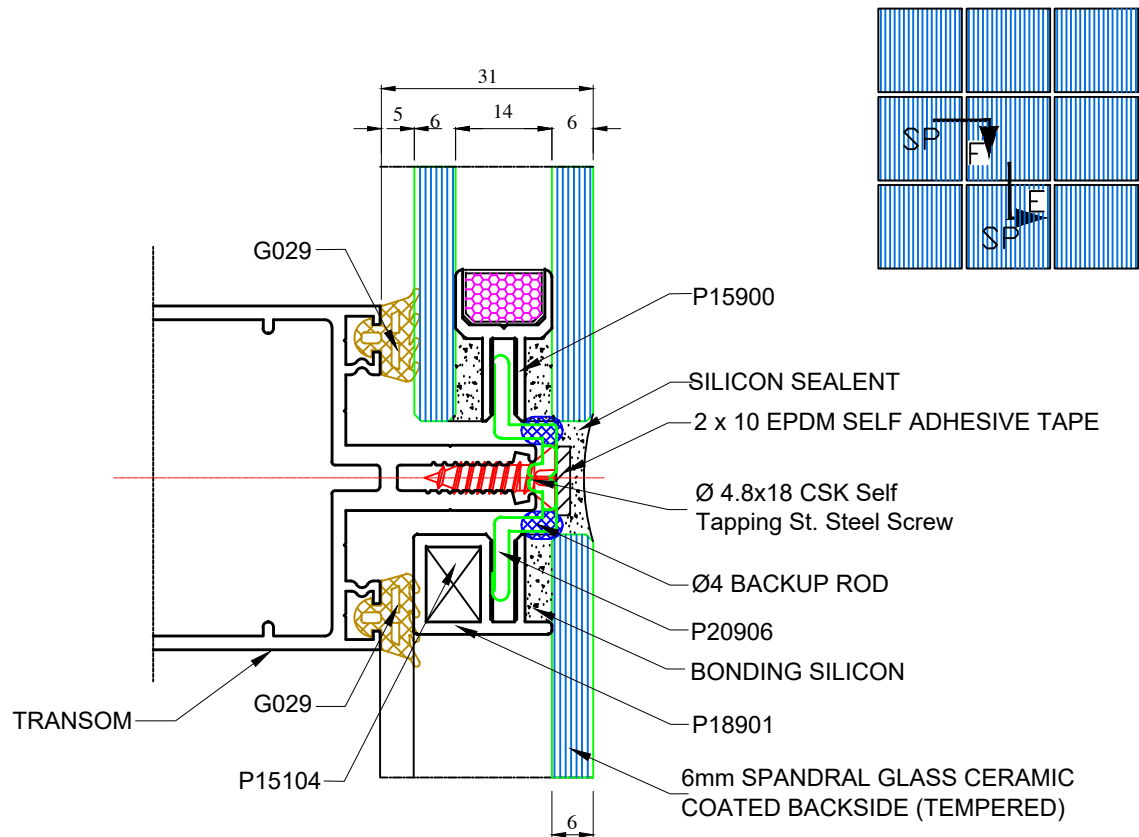
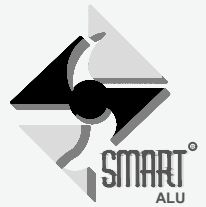


DETAIL : C

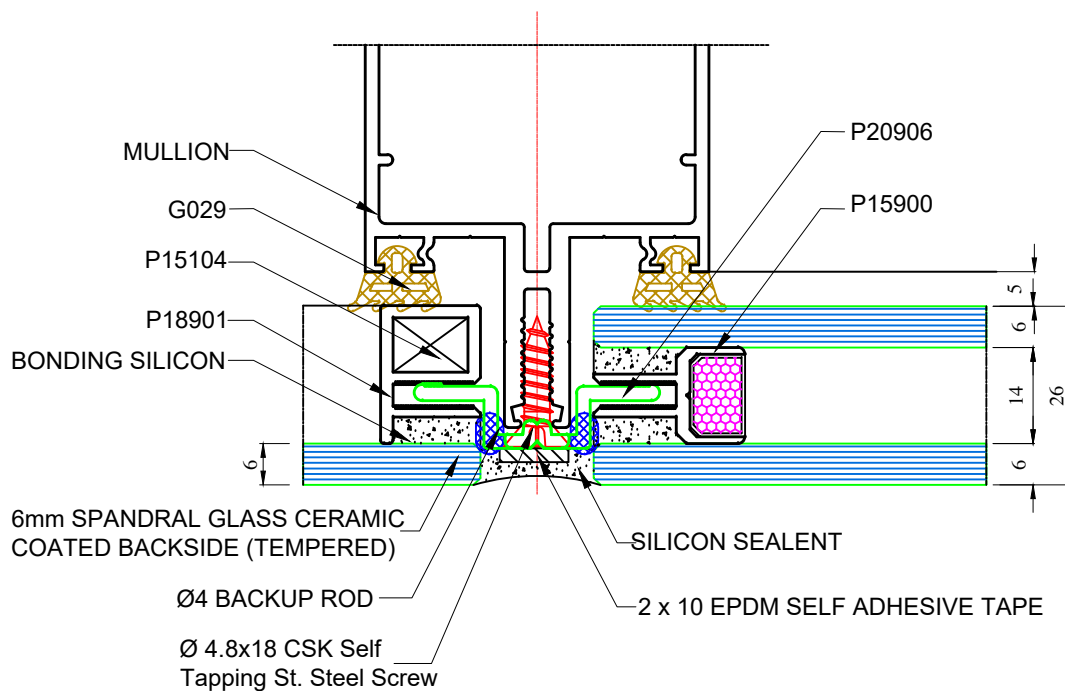
Curtain Wall Series

SG Transom and Mullion Fixed Panel - Single Glass

SG-02 Series



DETAIL : E

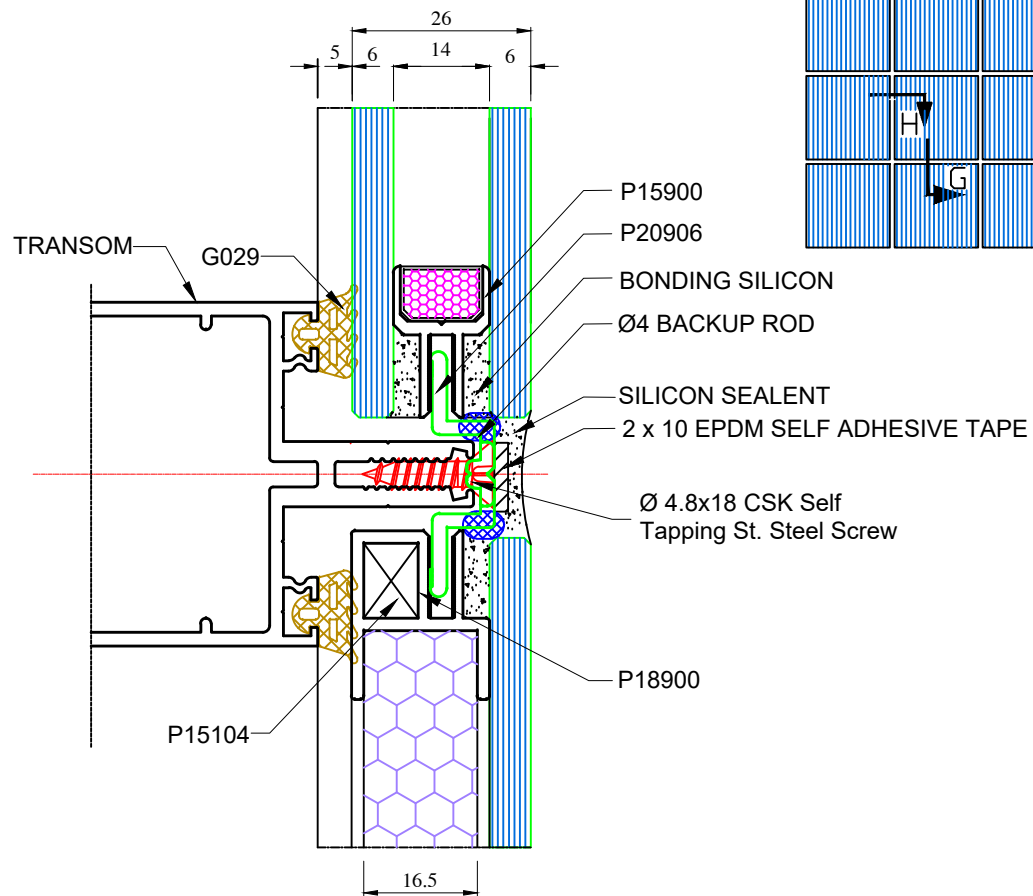
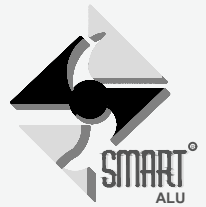


DETAIL : F

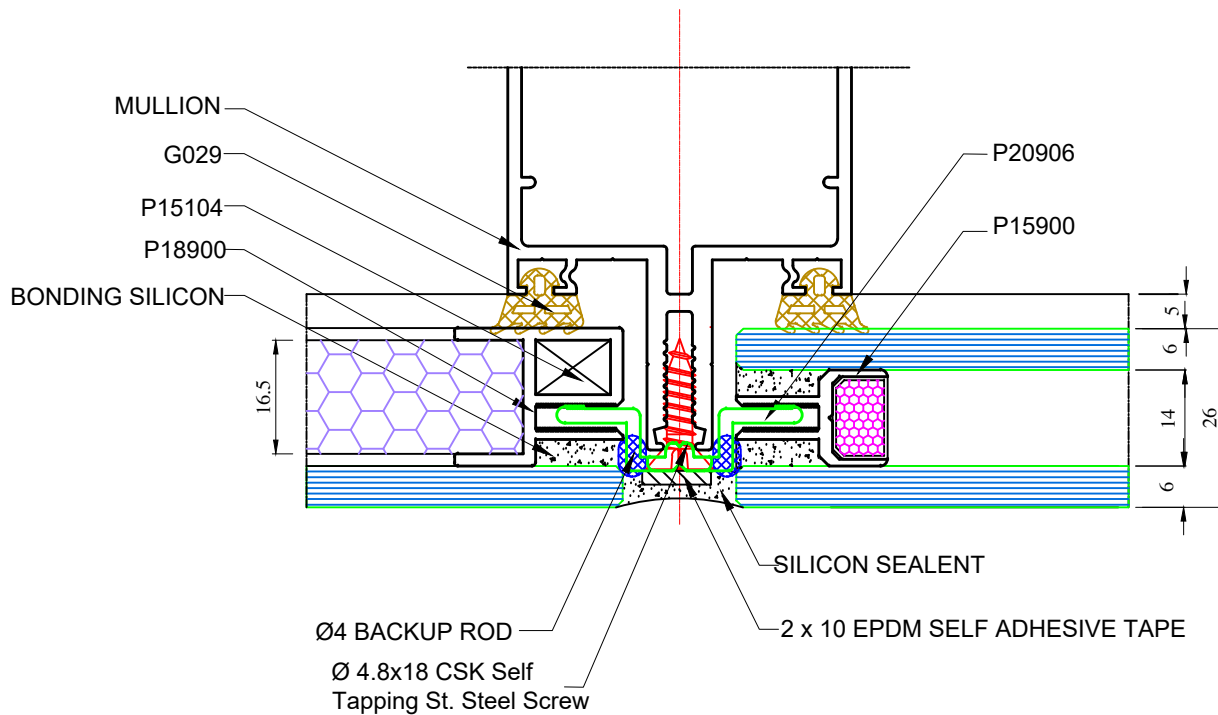
Curtain Wall Series

SG Transom and Mullion Fixed Panel - Single Glass

SG-02 Series



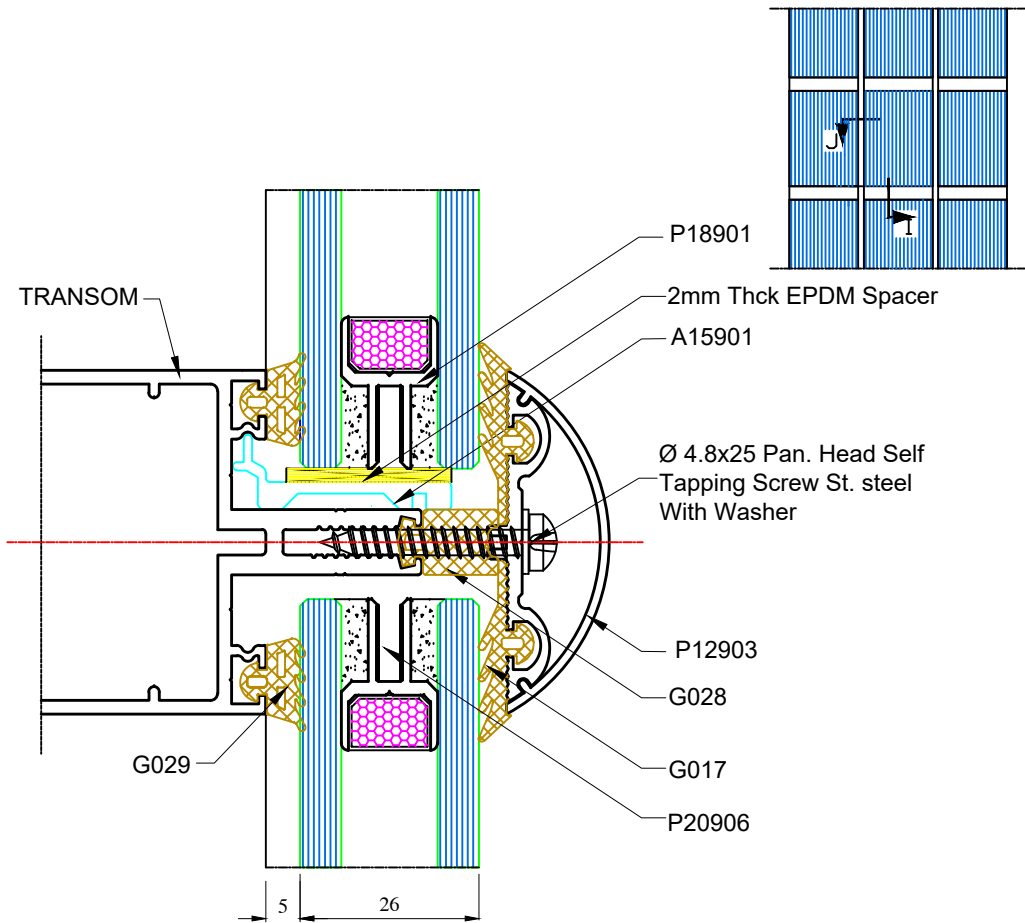
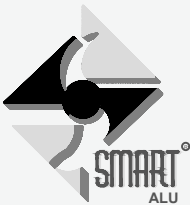
DETAIL : G



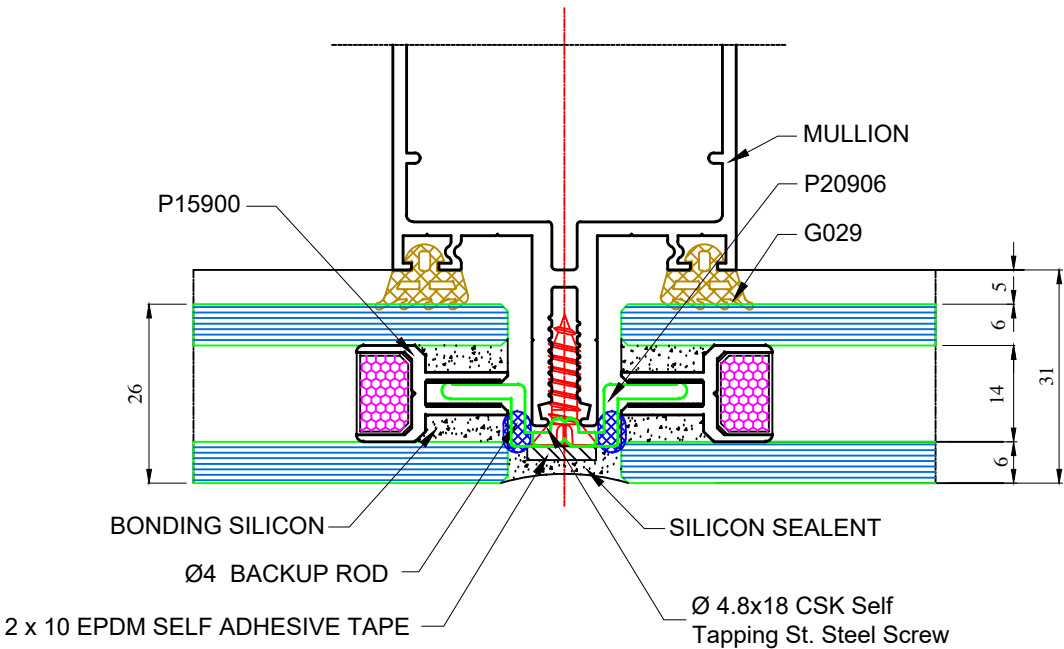
DETAIL : H

Curtain Wall Series

Semi SG Transom and Mullion with Fixed Panel
SSG-02 Series



DETAIL : I

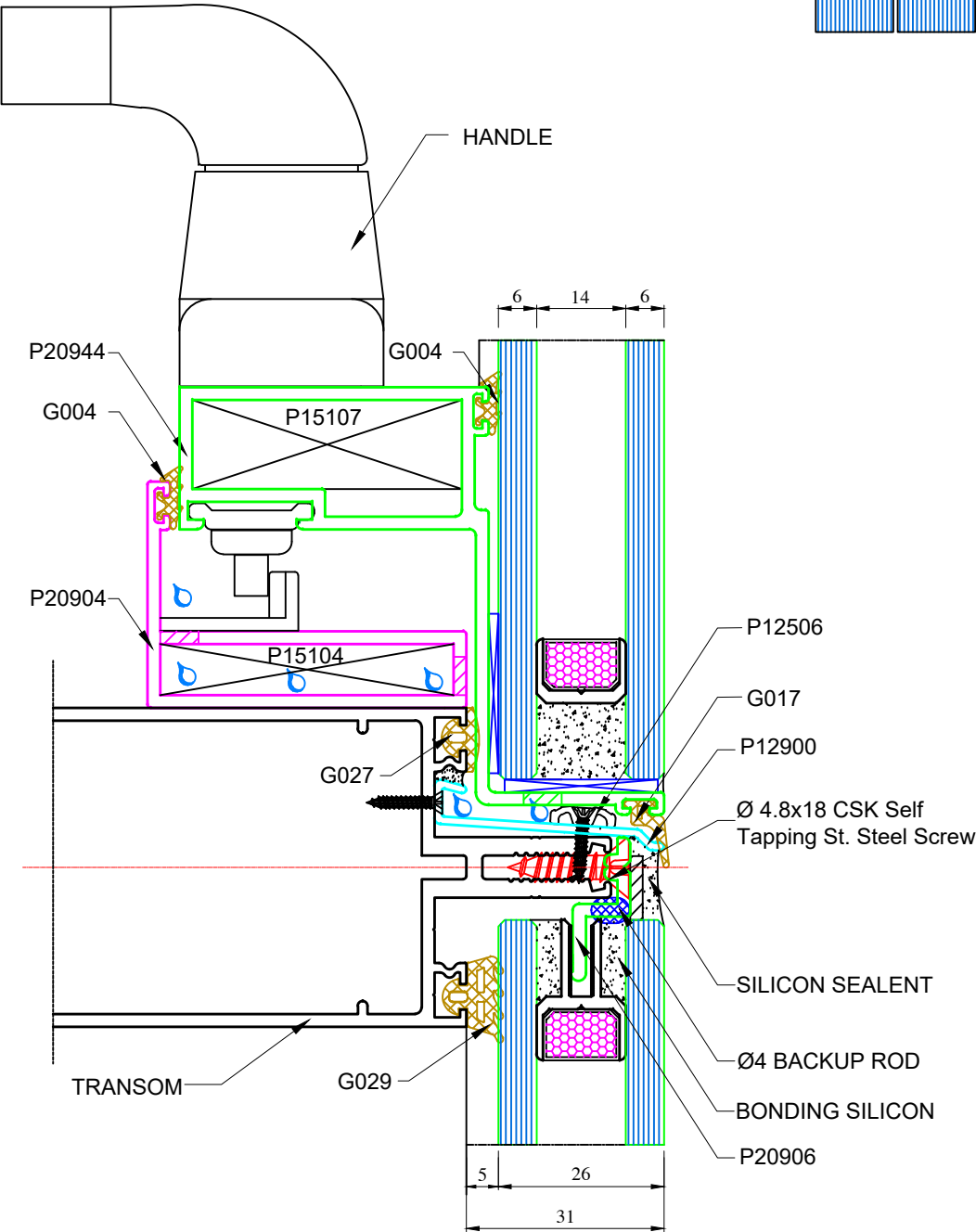
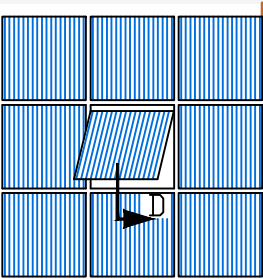
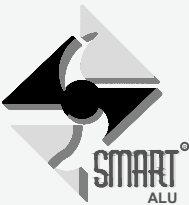


DETAIL : J

Curtain Wall Series

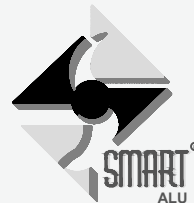
SG Mullion with Openout Panel

SG-02 Series



DETAIL : D

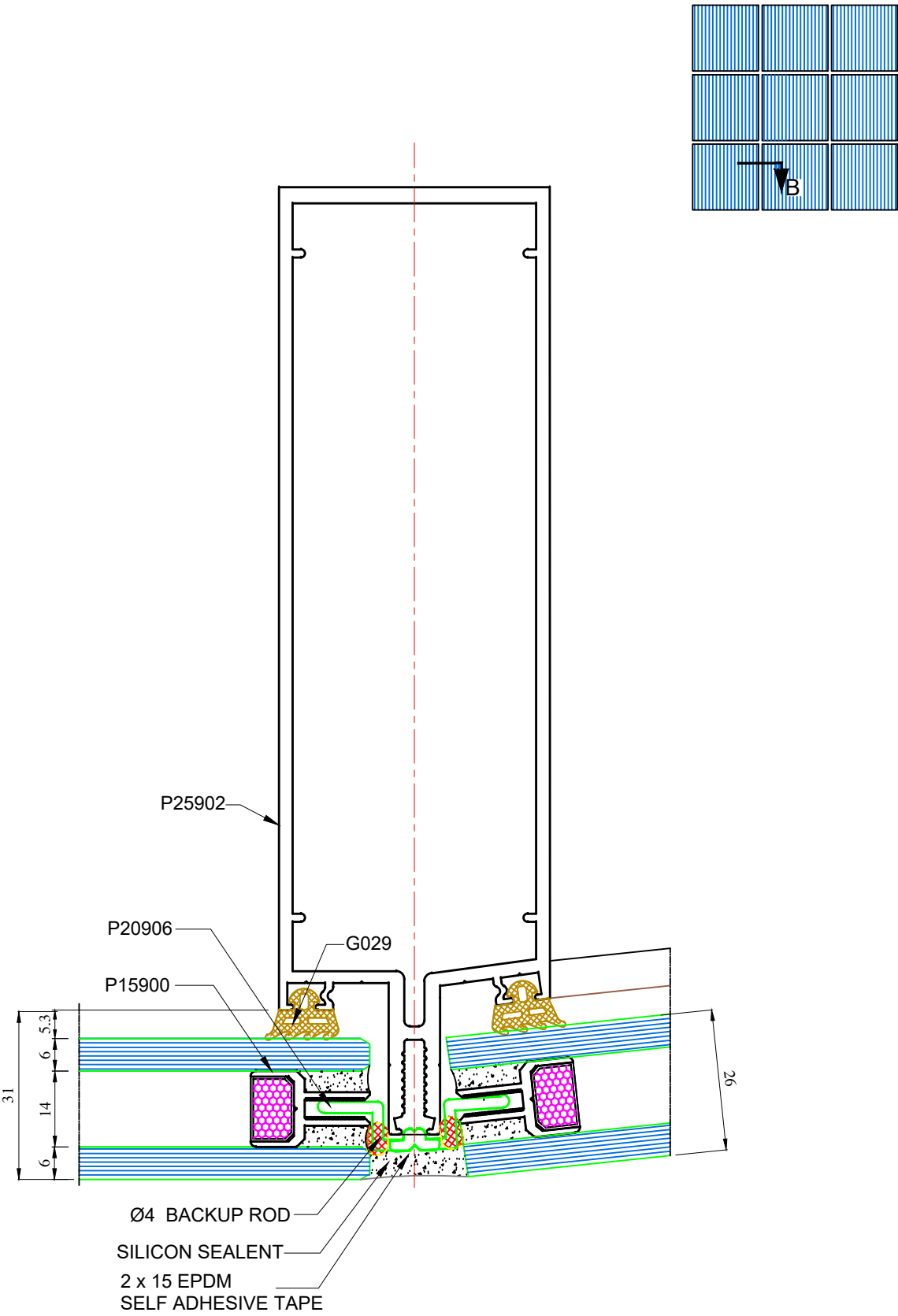
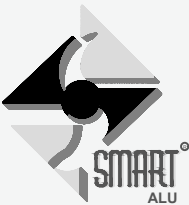
SSG-02 Series



Curtain Wall Series

Segmented Mullion Detail

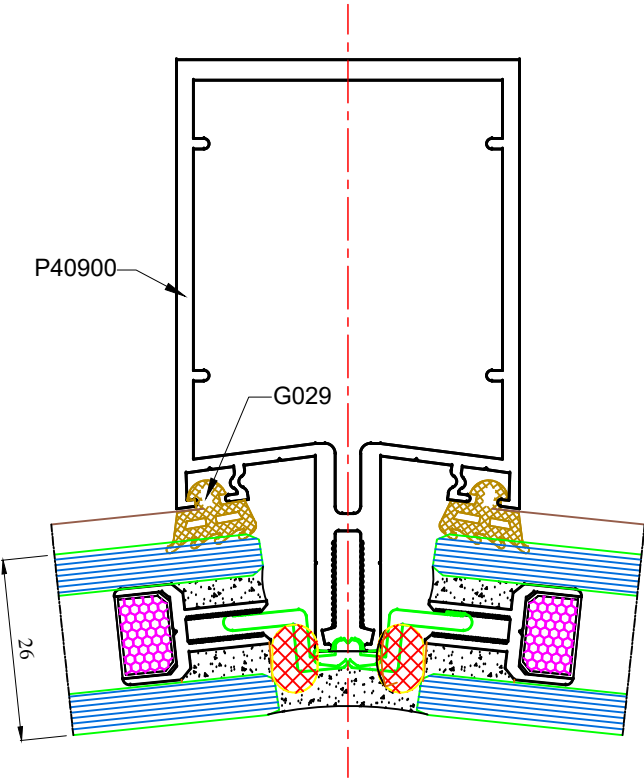
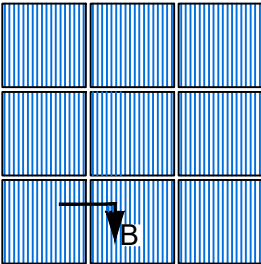
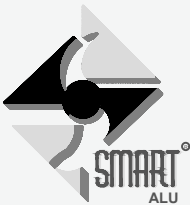
SG-02 Series



DETAIL: B

Curtain Wall Series

Segmented Mullion Detail
SG-02 Series

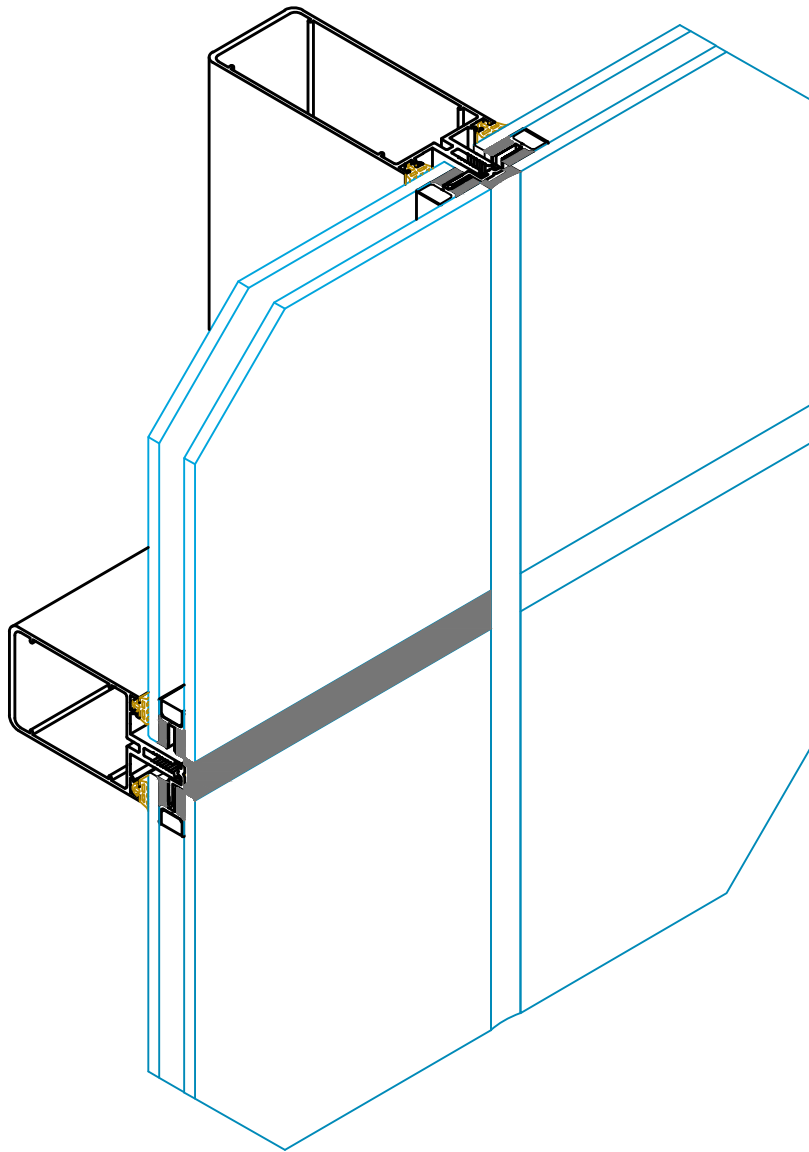


DETAIL: B

Curtain Wall Series

SG - 202 3D View

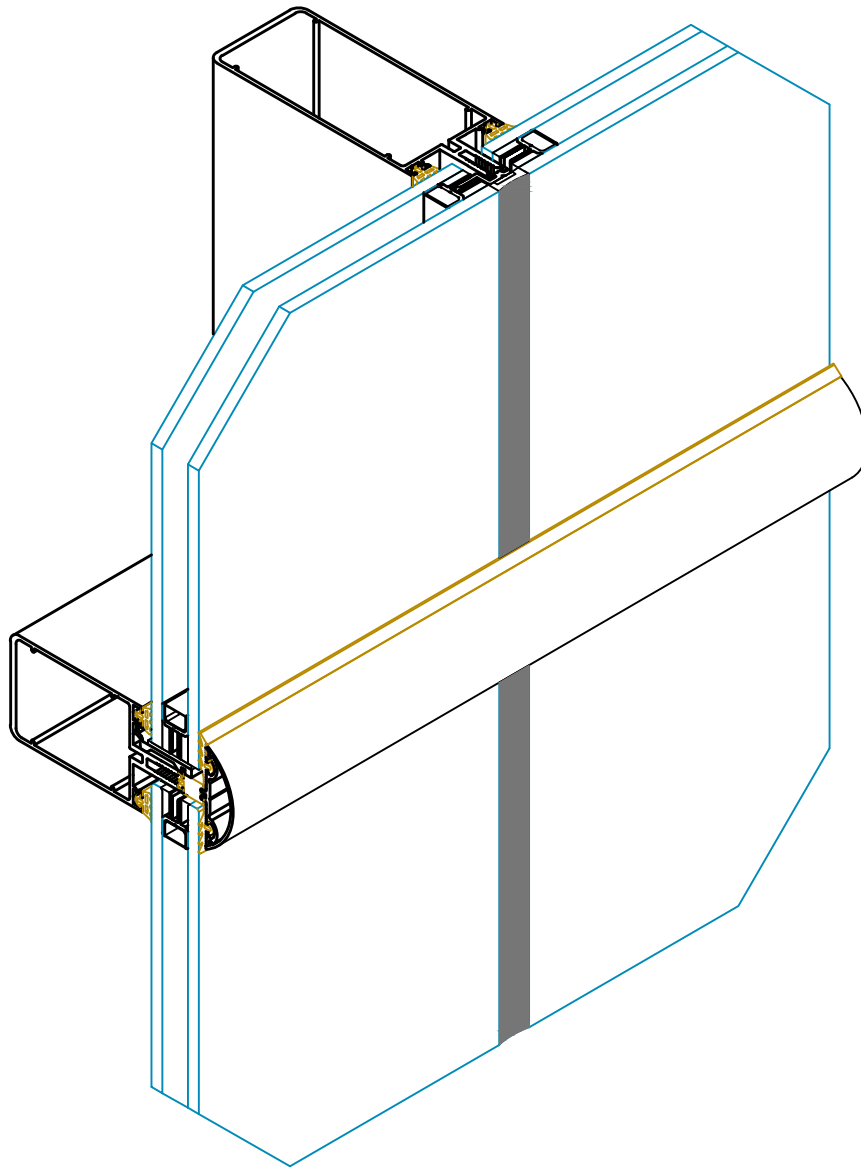
SG-04 Series



Curtain Wall Series

Semi SG - 202 3D View

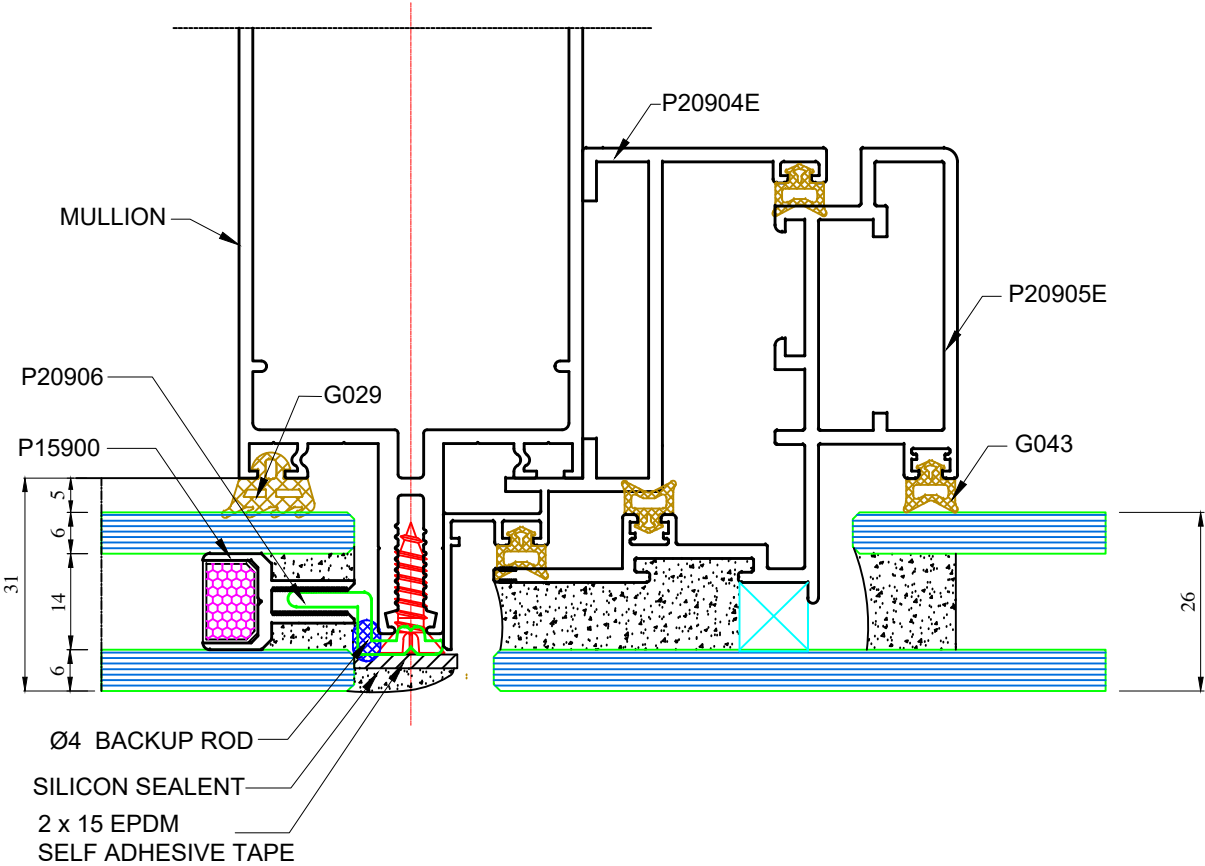
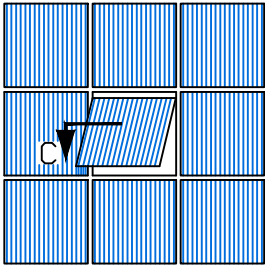
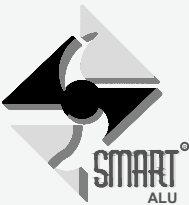
SSG-04 Series



Curtain Wall Series

SG Mullion with Openout Panel

SG-04 Series

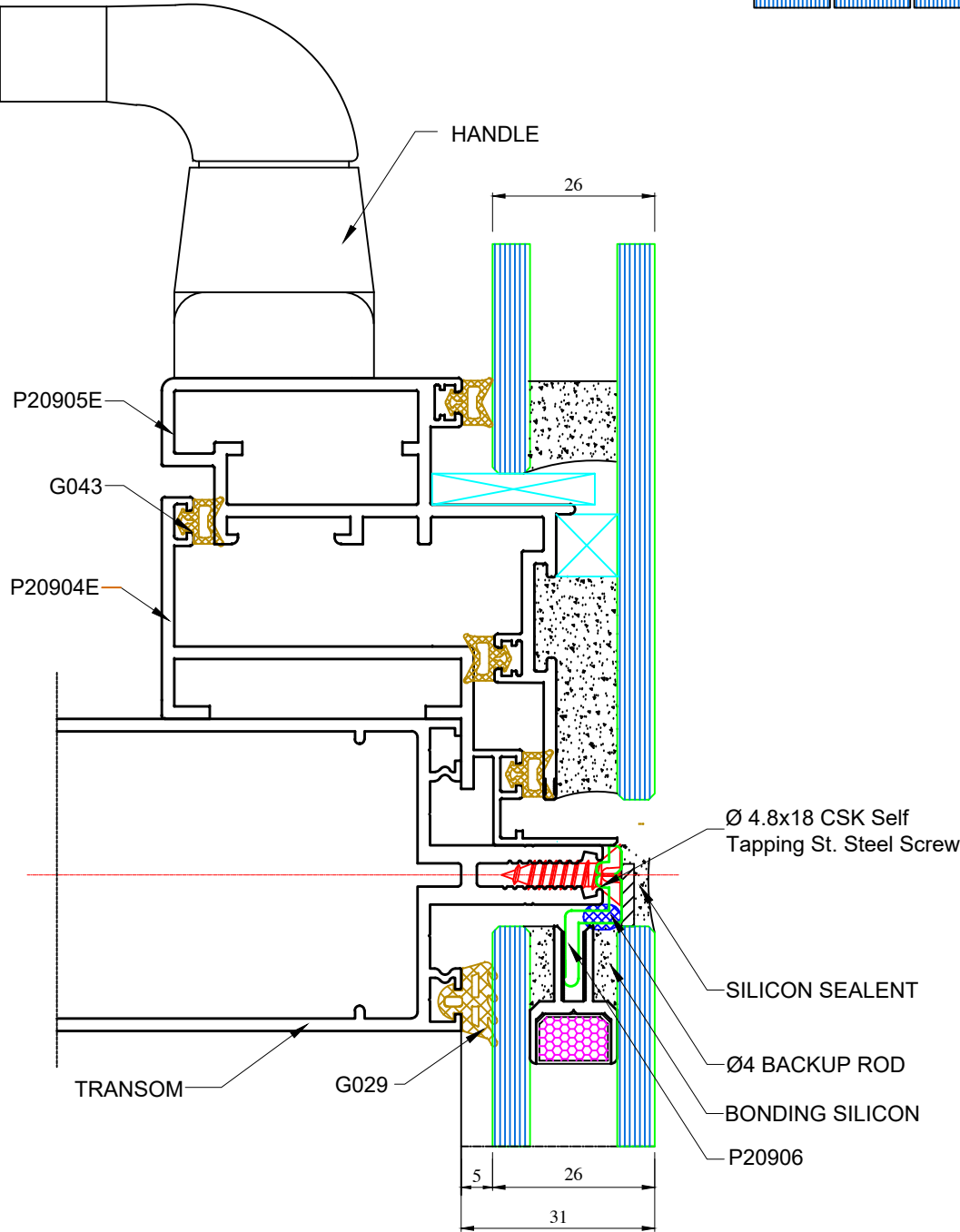
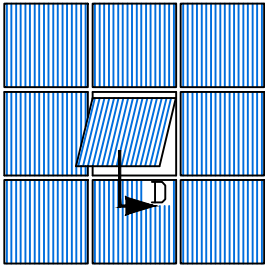
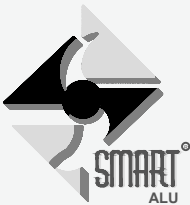


DETAIL : C

Curtain Wall Series

SG Transom with Openout Panel

SG-04 Series

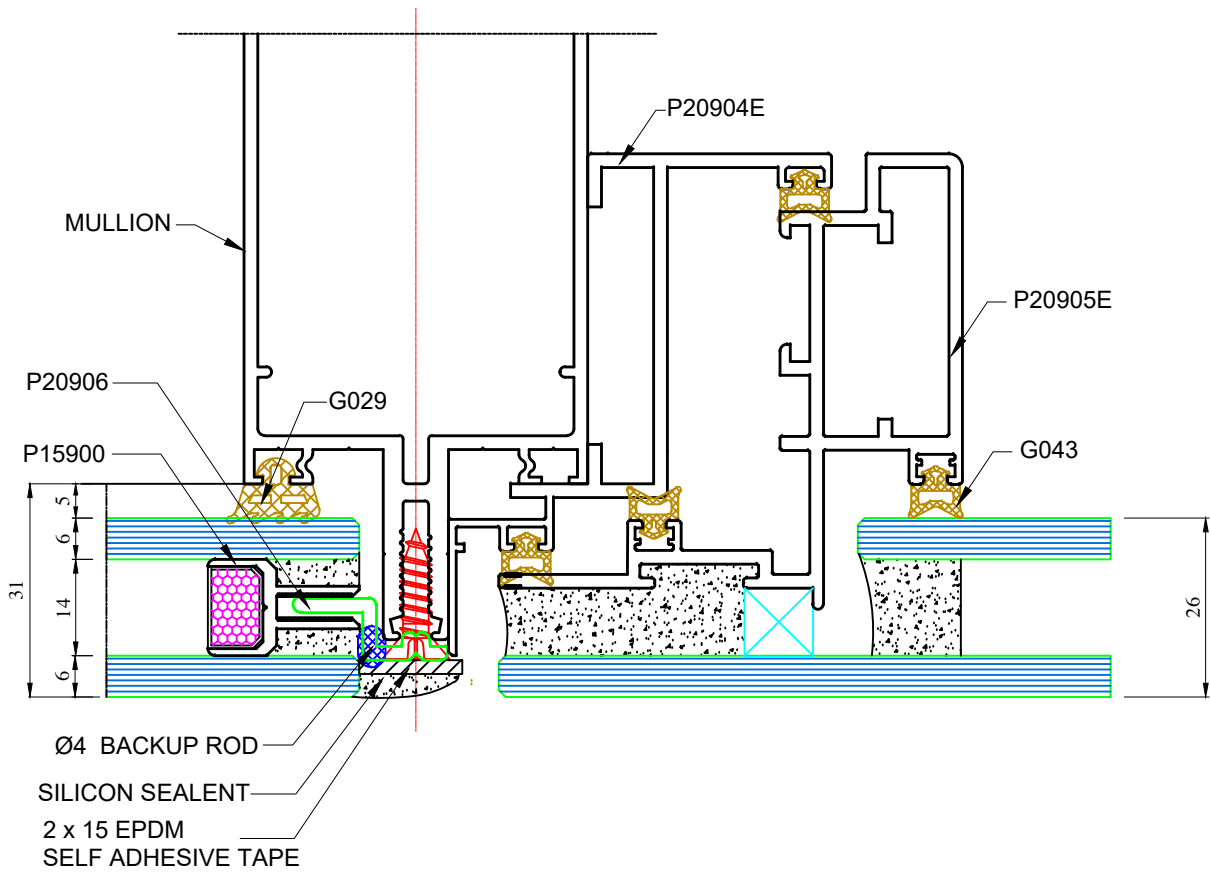
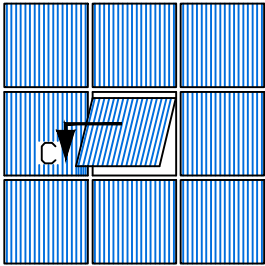
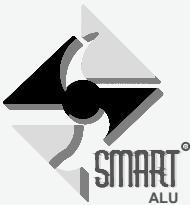


DETAIL : D

Curtain Wall Series

SG Mullion with Openout Panel

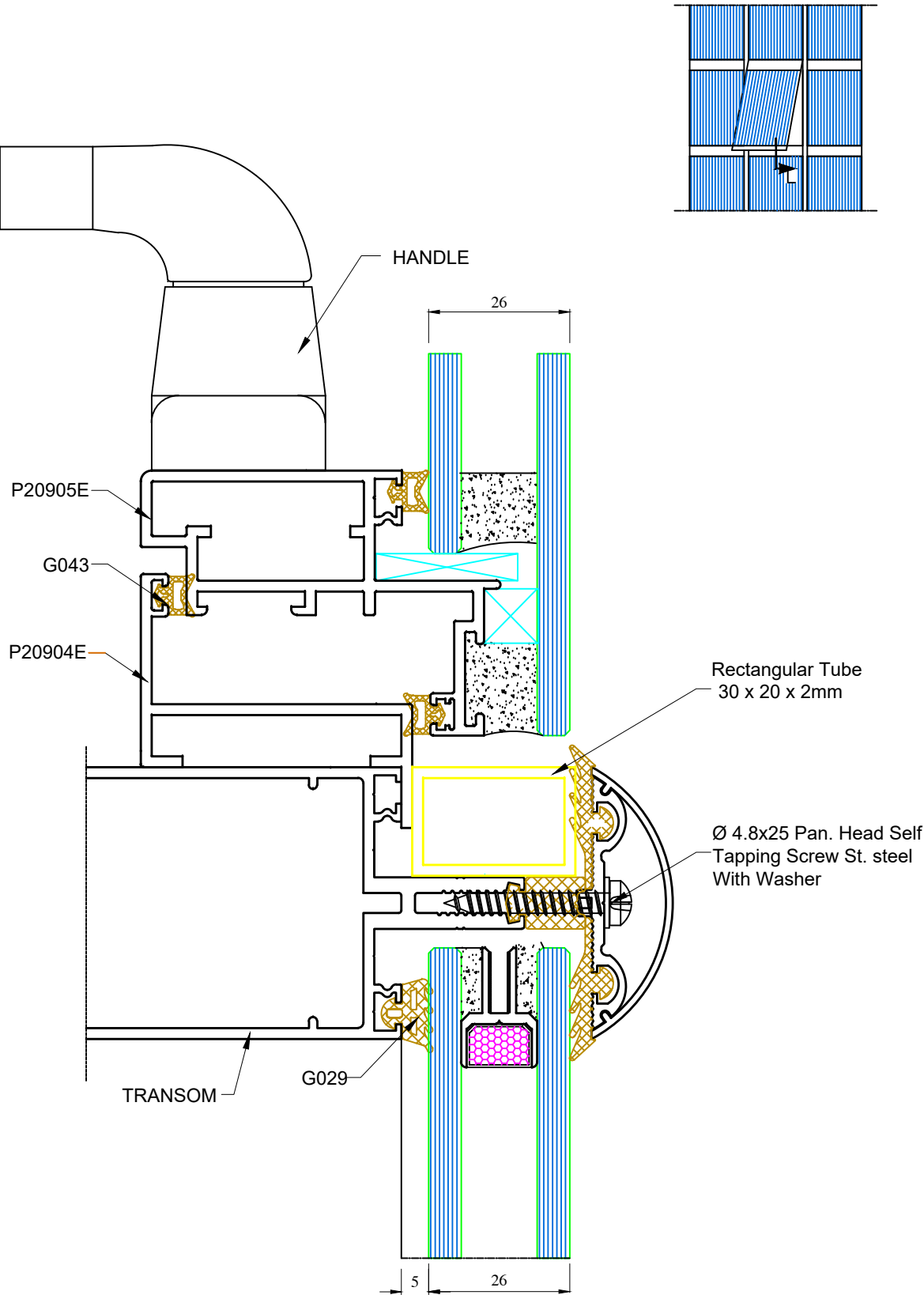
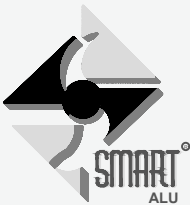
SG-04 Series



DETAIL : C

Curtain Wall Series

Semi SG Transom with Openout Panel
SSG-04 Series

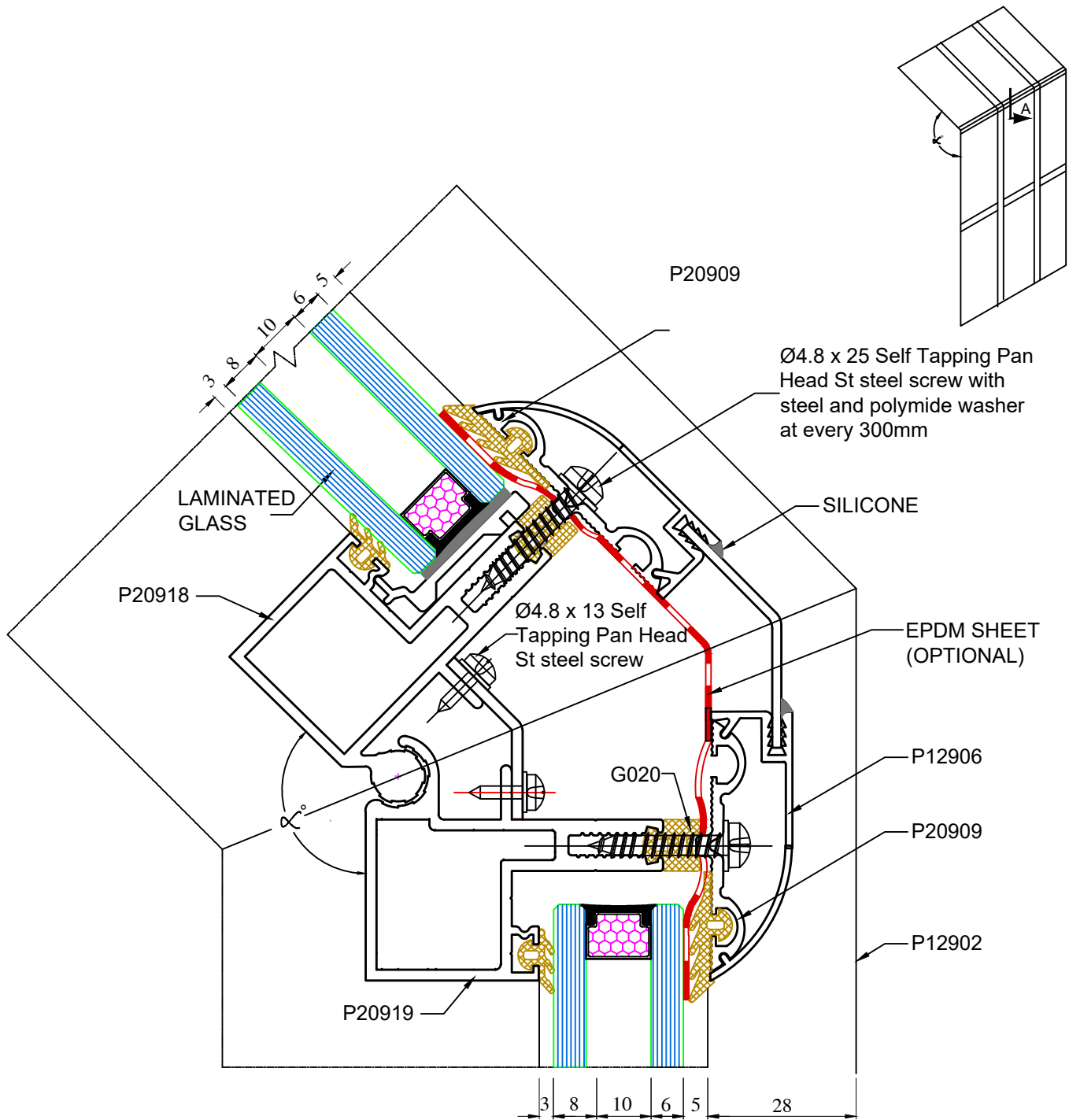


DETAIL : A

Curtain Wall Series

Corner Joint Transom Detail

CW-50 Series



DETAIL : A

α° = VARIABLE ANGLE

NOTE: GLAZING = 8 + 10 + 6 = 24 mm



Accessories and Gaskets



Accessories

Product Photo	Product Name	Product Code
	Curtain Wall Handle	AGCW016
	Striker	AGCW017
	Connection Block	AGCW018
	Pawl	AGCW019
	Stay Arm 10" Couple	AGCW020
	Stay Arm 12" Couple	AGCW021
	Stay Arm 14" Couple	AGCW022
	Stay Arm 16" Couple	AGCW023
	Stay Arm 18" Couple	AGCW024
	Stay Arm 20" Couple	AGCW025
	Stay Arm 22" Couple	AGCW026
	Stay Arm 24" Couple	AGCW027
	Stay Arm 28" Couple	AGCW028

*Images are only for display purposes and may vary in person

Accessories

Product Photo	Product Name	Product Code
	Curtain Wall Handle	AMCW029
	Connection Block	AMCW030
	Locking Pin Adjustable	AMCW031
	Counter Plate with Thickness	AMCW032
	Stay Arm 10"	AMCW033
	Stay Arm 12"	AMCW034
	Stay Arm 14"	AMCW035
	Stay Arm 16"	AMCW036
	Stay Arm 18"	AMCW037
	Stay Arm 20"	AMCW038
	Stay Arm 22"	AMCW039
	Stay Arm 24"	AMCW040
	Stay Arm 28"	AMCW041

*Images are only for display purposes and may vary in person

Accessories

Product Photo	Product Name	Product Code
	Curtain Wall Handle	ALCW042
	Two Locking Point	ALCW043
	Shoe Type Connectors	ALCW044
	Stay Arm 10"	ALCW045
	Stay Arm 16"	ALCW046
	Stay Arm 20"	ALCW047
	Stay Arm 24"	ALCW048
	Stay Arm 28"	ALCW049

*Images are only for display purposes and may vary in person

Gaskets

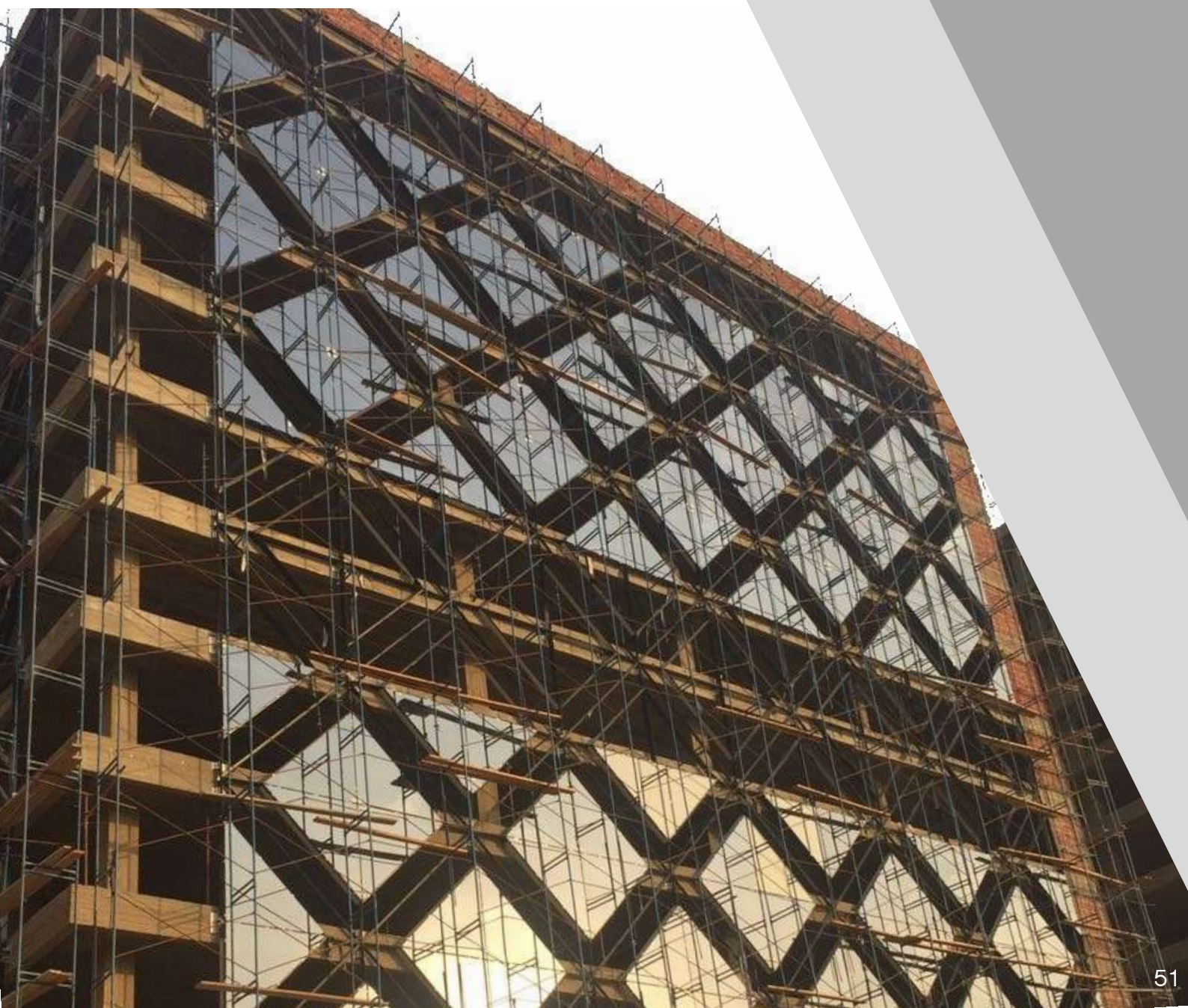
Product Photo	Product Name	Product Code
	Impact Gasket	G001
	Outer Gasket	G003
	Outer Gasket	G004
	Plate Gasket	G015
	Inner Gasket	G016
	Outer Gasket	G017
	Outer Gasket	G019
	Center Gasket	G020
	Outer Gasket	G026
	Impact Gasket	G027
	Center Gasket	G028
	Inner Gasket	G029

Gaskets

Product Photo	Product Name	Product Code
	Curtain Wall Inner Gasket	G041
	Inner Gasket	G043
	Impact Gasket	G044
	Polyamide Center Gasket	G045
	Outer Gasket	G046
	Center Gasket	G047
	Center Polyamide	310000
	Center Polyamide	309900



Certificates





CERTIFICATE

This is to Certify that the
Quality Management System
of

SMART ARCHITECTURAL SYSTEMS (FZC)

A3-113 SAIF Zone, Sharjah, United Arab Emirates

has been found to comply with

ISO 9001:2015

This certificate is applicable to the following scope

Import, Export & Distribution of Aluminium Profiles & Related Accessories.

Certificate No.: I-QSC201901031

Date of initial registration	21, January, 2019
Surveillance audit on or before	21, December, 2019
Certificate expiry	20, January, 2020
Recertification Due	20, January, 2022



Authorized Signatory

BQC ASSESSMENT PRIVATE LIMITED
(formerly BQC Certifications)

Website : www.bqccert.com, E-mail : info@bqccert.com

Accredited by International Accreditation Service

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Cladding Technology Division

Sunday, 02 November 2008

To	Smart Architectural Systems	Tel. / Fax	06 557 1065 / 557 1064
Attention	Dr. Ibrahim Nassar	Fax ref.	CLF7504
From	Vinod Nair	AFB tel	04 885 0221 / 885 1001
Email	cladding.technology@bodycote.com	AFB fax	04 885 1892 / 885 4004
Project	System Development		
Subject	Laboratory Testing of a Sample of Curtain Walling – Preliminary Results		
Total no. of pages	2	Job no.	WQ 08 13365

Dear Sir,

As requested please find following the preliminary results of laboratory main tests performed to date on the above mentioned sample.

The tests were carried out in accordance with AFBT method statement DMC0703/MSrev2, which was in accordance with the project specifications and the following standards.

- ▶ Air infiltration ASTM E283-04.
- ▶ Water penetration ASTM E331-00 (Static pressure)

The following tables summarises in chronological order all the main tests performed to date.

DATE	TESTS	RESULT	SEQUENCE
30 Nov. '08	Air infiltration	Pass	Main test 1
30 Nov. '08	Static air pressure water penetration	Pass	Main test 2

These preliminary results are supplied at the request of Smart Architectural Systems. AFBT can accept no responsibility for these preliminary results, nor for the way in which they may be used.

Please do not hesitate to contact us directly if you require any further information.

Yours faithfully,
Al Futtaim Bodycote Testing (AFBT)



Vinod Nair
Project Engineer – Cladding Technology Division





Cladding Technology Division

02 March 2009

To	Smart Architectural Systems	Tel. / Fax	06 557 1065 / 557 1064
Attention	Dr. Ibrahim Nassar	Fax ref.	CLF7945
From	Vinod Nair	AFB tel	04 885 0221 / 885 1001
Email	cladding.technology@bodycote.com	AFB fax	04 885 1892 / 885 4004
Project	2B+G+12 Commercial & Residential Bldg. on Plot-373-373, Al Barsha First, Dubai		
Subject	Laboratory Testing of Curtain Wall Sample – Preliminary Results		
Total no. of pages	2	Job no.	WQ 09 01484

Dear Sir,

As requested please find following the preliminary results of laboratory tests performed on the above mentioned sample on 29 Dec. '08.

The tests were carried out in accordance with AFBT method statement DMC0703/MSrev2, which was in accordance with the project specifications and the following standards:

- | | |
|---------------------|--------------------------------|
| ▶ Air infiltration | ASTM E283-04 |
| ▶ Water penetration | ASTM E331-00 (Static pressure) |
| ▶ Wind resistance | ASTM E330-02 |

The following tables summarises in chronological order all the tests performed.

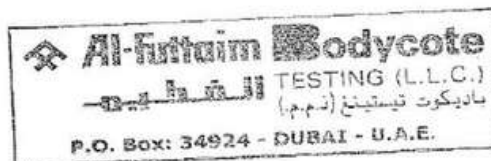
DATE	TESTS	RESULT	SEQUENCE
29 Dec. '08	Air infiltration	Pass	Main test 1
29 Dec. '08	Static air pressure water penetration	Pass	Main test 2
29 Dec. '08	Wind resistance - serviceability	Pass	Main test 3
29 Dec. '08	Repeat static air pressure water penetration	Pass	Main test 4
29 Dec. '08	Wind resistance - safety	Pass	Main test 5

These are only preliminary results which are supplied at the request of Smart Architectural Systems. AFBT can accept no responsibility for the way in which these may be used or interpreted.

Please do not hesitate to contact us directly if you require any further information. Yours faithfully,
Al Futtain Bodycote Testing (AFBT).

[Handwritten signature]

Vinod Nair
Project Engineer—Cladding Technology Division





02 March 2009

PO Box 34924 • Dubai • UAE • www.middleeast.bodycote.com

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